

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1974:112517 CAPLUS

DOCUMENT NUMBER: 80:112517

TITLE: Sunburn-preventing preparations containing
(hydroxymethylphenyl)benzotriazole

INVENTOR(S): Simon, Miklos; Joo, Imre

PATENT ASSIGNEE(S): Richter, Gedeon Vegyeszeti Gyar Rt.

SOURCE: Ger. Offen., 18 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2338833	A1	19740214	DE 1973-2338833	19730731
HU 164662	P	19740328	HU 1972-RI473	19720731
CH 583560	A	19770114	CH 1973-10233	19730713
NL 7310246	A	19740204	NL 1973-10246	19730723
FR 2194442	A1	19740301	FR 1973-28036	19730731 <--
			HU 1972-RI473	19720731

PRIORITY APPLN. INFO.:

AB Formulations for a sunburn-preventing emulsion and lacquer both contg. 2-(2-hydroxy-5-methyphenyl)benzotriazole (I) were reported. Thus, the lacquer contained I 1.5, Rovinal B10-20 15.0, Polidiol 6000 1.0, Aerosil 380 1.5, and Et cellosolve 75.0 parts. The preps. were more effective than those contg. benzophenone derivs.

L3 ANSWER 1 OF 1 SCISEARCH COPYRIGHT 2002 ISI (R)
 AN 74:88139 SCISEARCH
 GA The Genuine Article (R) Number: S3770
 TI BENZOTRIAZOLE DERIVATIVES AS UV-ABSORBING AGENTS
 AU JOO I (Reprint); SIMON N
 CS UNIV SZEGED, DERMATOL CLIN, SZEGED, HUNGARY
 CYA HUNGARY
 SO ARCHIV FUR DERMATOLOGISCHE FORSCHUNG, (1974) Vol. 249, No. 1,
 pp. 13-19.
 DT Article; Journal
 LA German
 REC Reference Count: 23
 RE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)
BEAR R L	1968	19	82	HAUTARZT
BURCKHARDT W	1968	137	208	DERMATOLOGICA BASEL
CRIPPS D J	1970	82	230	BRIT J DERM
EBERHARTINGER C	1963	34	109	Z HAUT GESCHL KR
EVERETT M A	1965	92	713	ARCH DERM
HORKY I	1970	33	7	KOSMET DERMAT
IPPEN H	1968	17	203	AESTHET MED
IPPEN H	1969	235	25	ARCH KLIN EXP DERM
IPPEN H	1960	29	1	HAUT Z HAUT GESCHL
IPPEN H	1968	49	296	PARFUMERIE KOSMETIK
JUNG E G V	1968	137	216	DERMATOLOGICA BASEL
KATZ S J	1970	101	466	ARCH DERM
KNOX J M	1957	29	435	J INVEST DERM
METZNER H	1970	237	507	ARCH KLIN EXP DERM
MUNCH W	1970	237	520	ARCH KLIN EXP DERM
POPCHRISTOV P	1970	33	4	KOSMET DERM
RAMSAY C A	1970	101	520	ARCH DERM
SAYRE R M	1965	45	190	J INVEST DERM
SIMON N	1965			AUSPICES C HUNGARIAN
STERN W K	1971	103	154	ARCH DERM
TRONNIER H	1966	152	313	DERM WSCHR
VERHAGEN A R	1964	129	292	DERMATOLOGICA BASEL
WISKEMANN A	1969			1 P INT C

09/830,788

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L5 ANSWER 1 OF 10 USPATFULL
 ACCESSION NUMBER: 2002:105658 USPATFULL
 TITLE: Photoprotecting/cosmetic compositions comprising benzotriazole and bis-resorcinyltriazine sunscreens
 INVENTOR(S): Candau, Didier, Bievres, FRANCE

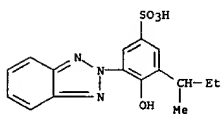
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002054860	A1	20020509
APPLICATION INFO.:	US 2001-927488	A1	20010813 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-FR257, filed on 3 Feb 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1999-1729	19990212
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Norman H. Stepano, Esquire, BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404	

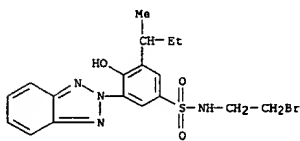
NUMBER OF CLAIMS: 31
 EXEMPLARY CLAIM: 1
 LINE COUNT: 804
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topically applicable sunscreen/cosmetic compositions suited for the improved photoprotection of human skin and/or hair against the damaging effects of UV-irradiation, particularly solar radiation, comprise an effective SPF-maintaining and water remanence-enhancing amount of intimate admixture of (a) at least one benzotriazole first sunscreen compound and (b) at least one bis-resorcinyltriazine second sunscreen compound, formulated into (c) a topically applicable, cosmetically acceptable vehicle, diluent or carrier therefor.

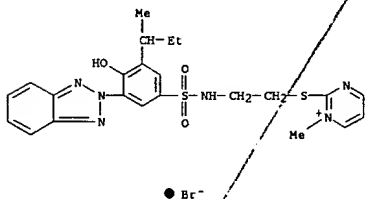
IT 123501-65-5
 (cosmetic compns. for photoprotection of skin and/or hair contg. benzotriazole deriv. and triazine bis-resorcinyll)
 RN 123501-65-5 USPATFULL
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



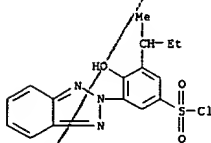
L5 ANSWER 2 OF 10 USPATFULL (Continued)



RN 393185-86-9 USPATFULL
 CN Pyrimidinium, 2-[[[3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)phenyl]sulfonyl]amino]ethyl]thio]-1-methyl-, bromide (9CI) (CA INDEX NAME)



IT 340964-11-6
 (prepn. of protected functional thiols as UV absorbers and antioxidants)
 RN 340964-11-6 USPATFULL
 CN Benzenesulfonyl chloride, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 10 USPATFULL
 ACCESSION NUMBER: 2002:21804 USPATFULL
 TITLE: Topical compositions comprising protected functional thiols
 INVENTOR(S): Glenn, Robert Wayne, JR., Surrey, UK, UNITED STATES; Katritzky, Alan Roy, Gainesville, FL, UNITED STATES; Block, Eric, Niskayuna, NY, UNITED STATES; Shair, Matthew David, Boston, MA, UNITED STATES; Ehlig, Thomas, Freiburg, GERMANY, FEDERAL REPUBLIC OF; Lupis, Joseph Anthony, Colfax, NC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002012639	A1	20020131
APPLICATION INFO.:	US 2001-755817	A1	20010105 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-478855, filed on 7 Jan 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-115278P	19990108 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	The Procter & Gamble Company, Sharon Woods Technical Center, Box 325, 11511 Reed Hartman Highway, Cincinnati, OH, 45241	

NUMBER OF CLAIMS: 14
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2753
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB This invention relates to a topical composition for treating amino acid based substrates comprising a protected thiol compound having the formula

R--(S--Pr).sub.m

where R is a functional group, S is sulfur, and Pr is a heterocyclic protecting group, and m is an integer between 1 and 100. The invention further relates to systems which comprise this protected thiol compound and an activating mechanism. The protected thiol compounds of the present invention may be used in hair care compositions, textile care compositions, cosmetic compositions, oral care compositions, skin care, nail care, laundry care, acne care and animal care compositions. Preferred embodiments of the present invention provide a modified UV absorber and a modified antioxidant, methods for making them and compositions comprising them.

IT 393185-85-8P 393185-86-9P
 (prepn. of protected functional thiols as UV absorbers and antioxidants)
 RN 393185-85-8 USPATFULL
 CN Benzenesulfonamide, 3-(2H-benzotriazol-2-yl)-N-(2-bromoethyl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 3 OF 10 USPATFULL
 ACCESSION NUMBER: 2002:2054 USPATFULL
 TITLE: Process for the staining of wood with aqueous wood stains
 INVENTOR(S): Stefan, Koller, Raminsburg, SWITZERLAND; Peter, Scheibli, Binningen, SWITZERLAND

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002000011	A1	20020103
APPLICATION INFO.:	US 2001-850493	A1	20010507 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2000-810402	20000511
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CIBA SPECIALTY CHEMICALS CORPORATION, PATENT DEPARTMENT, 540 WHITE PLAINS RD, P O BOX 2005, TARRYTOWN, NY, 10591-9005	

NUMBER OF CLAIMS: 8
 EXEMPLARY CLAIM: 1
 LINE COUNT: 1084
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for the staining of wood, which comprises treating the unstained wood with an aqueous preparation comprising

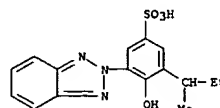
a) at least one dye, and

b) at least one dye stabilizer of the formula (I) or (II) ##STR1##

in which

G.sub.1 and G.sub.2, independently of one another, are C.sub.1-C.sub.4alkyl or together are pentamethylene, 2.sub.1 and 2.sub.2 are methyl, or 2.sub.1 and 2.sub.2 form a bridging member which is unsubstituted or substituted by an ester, ether, hydroxyl, oxo, cyanohydrin, amido, amino, carboxyl or urethane radical, E is oxyl or hydroxyl, and X is an inorganic or organic anion, and the total number of cations h corresponds to the total number of anions j, to a wood stain comprising a dye and a dye stabilizer of the formula (I) or (II), and to the use of this wood stain for the staining of wood.

IT 123501-65-5
 (UV absorber; staining of wood with aq. wood stains)
 RN 123501-65-5 USPATFULL
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 10 USPATFULL (Continued)

L5 ANSWER 4 OF 10 USPATFULL

ACCESSION NUMBER: 2001:97398 USPATFULL
 TITLE: Photoprotective/cosmetic compositions comprising benzotriazole, bisresorcinyltriazine and benzoazolyl/benzodiazolyl sunscreens
 INVENTOR(S): Candau, Didier, Bievres, France
 PATENT ASSIGNEE(S): Societe L'Oreal S.A., Paris, France (non-U.S. corporation)

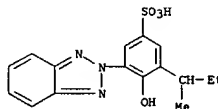
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6251373	B1	20010626
APPLICATION INFO.:	US 2000-503942		20000214 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1999-1731	19990212
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Dodson, Shelley A.	
LEGAL REPRESENTATIVE:	Burns, Doane, Svecker & Mathis, L.L.P.	
NUMBER OF CLAIMS:	40	
EXEMPLARY CLAIM:	1	
LINE COUNT:	913	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topically applicable sunscreen/cosmetic compositions well suited for the synergistically enhanced photoprotection of human skin and/or hair against the damaging effects of UV-irradiation, particularly solar radiation, comprise synergistically UV-photoprotecting effective amounts of each of (a) at least one benzotriazole compound, (b) at least one bisresorcinyltriazine compound and (c) at least one compound containing at least two benzoazolyl groups per molecule and/or at least one compound containing, per molecule, at least one benzodiazolyl group, formulated into a topically applicable, cosmetically acceptable vehicle, diluent or carrier therefor.

IT 123501-65-5
 Synergistic sunscreen compns. contg. benzotriazole deriv., bis-resorcinyltriazine deriv., and compd. with benzoazolyl or benzodiazolyl groups)
 RN 123501-65-5 USPATFULL
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 10 USPATFULL

ACCESSION NUMBER: 2000:91526 USPATFULL
 TITLE: Use of selected benzotriazole and triazine derivatives for protecting human hair from the harmful effects of UV radiation
 INVENTOR(S): Luther, Helmut, Grenzach-Wyhlen, Germany, Federal Republic of
 Baudin, Rene, Basel, Switzerland
 Stehlin, Albert, Rosensau, France
 Haase, Urig, Bettingen, Switzerland
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Corporation, Tarrytown, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6090370		20000718
APPLICATION INFO.:	US 1997-918882		19970826 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1997-1561	19970627
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Dodson, Shelley A.	
LEGAL REPRESENTATIVE:	Mansfield, Kevin T.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	355	

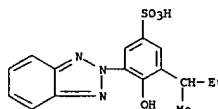
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Benzotriazole derivatives of formula #STR1## or triazines of formula #STR2## wherein R is hydrogen or chloro; R.sub.1 is C.sub.1 -C.sub.12 alkyl or phenyl-C.sub.1 -C.sub.3 alkyl; R.sub.2 is C.sub.1 -C.sub.4 alkyl or SO.sub.3 M; A.sub.1 is a radical of formula #STR3## R.sub.3 is a radical of formula #STR4## R.sub.4 is halogen; or a radical of formula #STR5## Q.sub.1 is C.sub.1 -C.sub.18 alkyl; R.sub.5, R.sub.6 and R.sub.7 are each independently of one another hydrogen; C.sub.1 -C.sub.12 alkyl; C.sub.1 -C.sub.18 alkoxy; halogen; hydroxy; or a radical of formula #STR6## Hal.sup.-; where the substituents are as defined herein, are distinguished by good substantivity for human hair while at the same time providing effective protection against UV radiation.

IT 92484-48-5
 (benzotriazole and triazine derivs. for protecting human hair against damage by UV rays)

RN 92484-48-5 USPATFULL
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

L5 ANSWER 5 OF 10 USPATFULL (Continued)



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L5 ANSWER 6 OF 10 USPATFULL

ACCESSION NUMBER: 2000:41175 USPATFULL
 TITLE: Complexes of ultraviolet absorbers and quaternary ammonium compounds which are substantially free from unwanted salts
 INVENTOR(S): Qinghong, Jessica Ann, 211 Windswept Ct., Moore, SC, United States 29369
 Ziaodong, Edward Zhao, 211 Windswept Ct., Moore, SC, United States 29369

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6046330		20000404
APPLICATION INFO.:	US 1998-65618		19980424 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Pezzuto, Helen L.		
LEGAL REPRESENTATIVE:	Moyer, Terry T., Parks, William S.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	524		

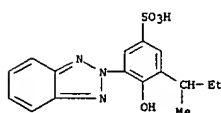
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to complexes of ultraviolet absorbers with quaternary ammonium compounds which are substantially free from unwanted salts. Such complexes are formed through ionic bonds formed between the two compounds. The inventive complexes are then removed of substantially all excess inorganic salt so as to obtain an UV absorber compound which exhibits improved light- and washfastness properties, which easily coats subject surfaces, which provides excellent non-fogging and non-cracking characteristics, and which also possesses anti-static, anti-microbial, and anti-abrasion properties. This invention also concerns methods of making and utilizing such inventive ultraviolet absorbing complexes.

IT 92484-48-5
 (coatings and inks contg. complexes of UV absorbers and quaternary ammonium compds., free from unwanted salts)

RN 92484-48-5 USPATFULL

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L5 ANSWER 7 OF 10 USPATFULL (Continued)

L5 ANSWER 7 OF 10 USPATFULL

ACCESSION NUMBER: 1998:150220 USPATFULL
 TITLE: Hair dye compositions and process
 INVENTOR(S): Hawkins, Geoffrey Robert, Langhorne, PA, United States
 Dolak, Terence Martin, Andover, NJ, United States
 Gutkowski, Glenn Alan, Rahway, NJ, United States
 PATENT ASSIGNEE(S): Revlon Consumer Products Corporation, NY, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5843193		19981201
APPLICATION INFO.:	US 1997-819809		19970318 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Harrison, Robert H.		
LEGAL REPRESENTATIVE:	Blackburn, Julie		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	856		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition for oxidative dyeing of hair comprising, by weight of the total composition:

0.0001-20% of at least one primary intermediate and at least one coupler for the formation of oxidation dyes,

0.01-10% of a 2-hydroxyphenyl benzotriazole compound which absorbs ultraviolet radiation in the wavelength range of 200 to 400 nanometers,

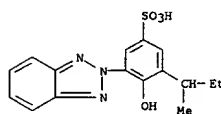
0.5-20% surfactant, and

10-65% water; a two component kit containing the hair dye composition and a developer, and a method for oxidative dyeing of hair with said kit.

IT 92484-48-5, Cibafast W
 (oxidative hair dye compns. contg. hydroxyphenyl benzotriazole derivs. and surfactants)

RN 92484-48-5 USPATFULL

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L5 ANSWER 8 OF 10 USPATFULL

ACCESSION NUMBER: 1998:115400 USPATFULL
 TITLE: Use of hydroxybenzotriazoles for enhancing the sun protection factor of cellulosic fibre materials
 INVENTOR(S): Fuso, Francesco, Therwil, Switzerland
 Reinert, Gerhard, Allschwil, Switzerland
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Corporation, Tarrytown, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5811081		19980922
APPLICATION INFO.:	US 5345235		19950927 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
ASSISTANT EXAMINER:	Williamson, Michael A.		
LEGAL REPRESENTATIVE:	Crichton, David R., Mansfield, Kevin T.		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	503		

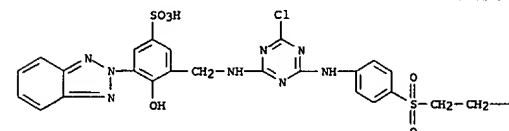
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of the compound of formula ##STR1## wherein the variables are as defined in the claims, for enhancing the sun protection factor of cellulosic fiber materials.

IT 177969-74-3
 (hydroxybenzotriazoles for stabilizing cotton fabric)

RN 177969-74-3 USPATFULL

CN Benzenesulfonic acid, 5-(2H-benzotriazol-2-yl)-3-[[[4-chloro-6-[[[2-(sulfoxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]methyl]-4-hydroxy- (9CI) (CA INDEX NAME)



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L5 ANSWER 9 OF 10 USPATFULL
 ACCESSION NUMBER: 1998:88952 USPATFULL
 TITLE: UV absorbers, their preparation and the use thereof
 INVENTOR(S): Fuso, Francesco, Thervil, Switzerland
 Reinert, Gerhard, Allschwil, Switzerland
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Corporation, Tarrytown, NY,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5786475		19980728
APPLICATION INFO.:	US 1995-526860		19950911 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1994-2802	19940914
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Shah, Mukund J.	
ASSISTANT EXAMINER:	Kifle, Bruce	
LEGAL REPRESENTATIVE:	Mansfield, Kevin T., Crichton, David R.	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	715	

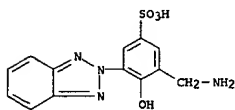
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to compounds of formula ##STR1## wherein the variables have the meanings given in the claims. The compounds are suitable for use as UV absorbers for the photochemical stabilization of undyed, dyed or printed textile fiber materials and for enhancing the sun protection factor thereof.

IT 176547-61-8P
 (intermediate; prepn. of triazine UV absorbers for textiles)

RN 176547-61-8 USPATFULL

CN Benzenesulfonic acid, 3-(aminomethyl)-5-(2H-benzotriazol-2-yl)-4-hydroxy- (9CI) (CA INDEX NAME)



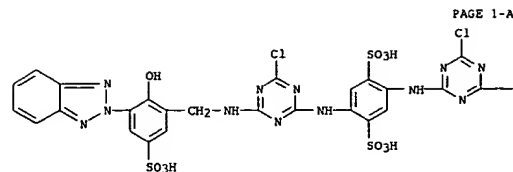
IT 176547-56-1P

(sunscreens; prepn. of triazine UV absorbers for textiles)

RN 176547-56-1 USPATFULL

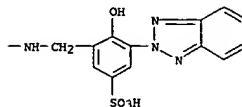
CN 1,4-Benzenedisulfonic acid, 2,5-bis[[4-chloro-6-[[[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-sulphophenyl]methyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 10 USPATFULL (Continued)



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PAGE 1-B



L5 ANSWER 10 OF 10 USPATFULL

ACCESSION NUMBER: 90:81398 USPATFULL
 TITLE: Process for preventing yellowing of polyamide fibre materials treated with stain-blocking agents by treatment with water-soluble light stabilizer having fibre affinity
 INVENTOR(S): Reinert, Gerhard, Allschwil, Switzerland
 Binz, Jorg, Reinach, Switzerland
 PATENT ASSIGNEE(S): Ciba-Geigy Corporation, Ardsley, NY, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4964871		19901023
APPLICATION INFO.:	US 1989-342926		19890425 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1988-1666	19880504
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Clingman, A. Lionel	
LEGAL REPRESENTATIVE:	Mansfield, Kevin T., Roberts, Edward McC.	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	448	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

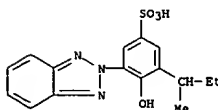
AB A process for preventing yellowing of polyamide fibre materials treated with stain-blocking agents which comprises treating the polyamide fibre material with a water-soluble light stabilizer with affinity for the fibre before, during or after the treatment with a stain-blocking agent, and the fibre material thus treated are described.

IT 92484-48-5

(light stabilizers, for stainproofing of polyamide fibers)

RN 92484-48-5 USPATFULL

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

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L7 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:113111 CAPLUS
 DOCUMENT NUMBER: 136:172499
 TITLE: Light-stable cosmetics or topical preparations containing benzotriazoles and thickeners
 INVENTOR(S): Matsubara, Kenkichi
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKOQAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

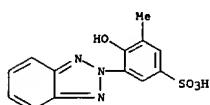
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002047124	A2	20020212	JP 2000-235297	20000803

OTHER SOURCE(S): MARPAT 136:172499

AB Cosmetics or topical preps. contain benzotriazoles I (R1-R4 = H, Cl-4 alkyl, acyl, alkoxy, OH) and/or their salts and thickeners. A cosmetic lotion was prepd. from carboxyvinyl polymer 15, 1,3-butenediol 5, methylparaben 0.2, EtOH 5, 1 Na salt (R1 = OH, R2 = sec-Bu, R3 = R4 = H) 0.1, H2O 50, and aq. KOH soln. 24.8 wt. parts.

IT 92484-44-1P 92484-46-3P
 RL: COS (Cosmetic use); MOA (Modifier or additive use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (light-stable cosmetics or topical preps. contg. benzotriazoles and thickeners)

RN 92484-44-1 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-methyl-, monosodium salt (9CI) (CA INDEX NAME)



RN 92484-46-3 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-propyl-, monosodium salt (9CI) (CA INDEX NAME)

L7 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:90516 CAPLUS
 DOCUMENT NUMBER: 136:139594
 TITLE: Topical compositions comprising protected functional thiols
 INVENTOR(S): Glenn, Robert Wayne; Katritzky, Alan Roy; Block, Eric; Shair, Matthew David; Ehliis, Thomas; Lupia, Joseph Anthony
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 40 pp., Cont.-in-part of U.S. Ser. No. 478,855.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002012639	A1	20020131	US 2001/755817	20010105

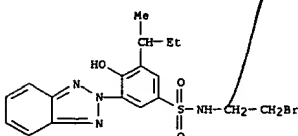
PRIORITY APPLN. INFO.:
 US 1999-135278P P 19990108
 US 1999-129453P P 19990415
 US 2000-478855 A2 20000107

OTHER SOURCE(S): MARPAT 136:139594

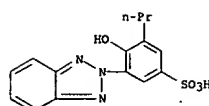
AB A topical compn. for treating amino acid-based substrates, such as hair, fur, or nails, comprises a protected thiol compd. The invention further relates to systems which comprise this protected thiol compd. and an activating mechanism. The protected thiol compds. of the present invention may be used in hair care compns., textile care compns., cosmetic compns., oral care compns., skin care, nail care, laundry care, acne care and animal care compns. Preferred embodiments of the present invention provide a modified UV absorber and a modified antioxidant, methods for making them and compns. comprising them. For example, a UV absorber compn. contained 3-benzotriazol-2-yl-N-(2-bromoethyl)-5-sec-butyl-4-hydroxybenzene sulfonamide (prepn. given) 3.00%, urea 10.00%, cocamidopropyl betaine 0.20%, isopropanol 50.00%, and water up to 100%. The compn. can be applied simultaneously with a 5% soln. of thioglycolic acid from a kit wherein the treatment soln. and the thioglycolic acid are packaged in sep. chambers of a dual chamber package.

IT 393185-85-8P 393185-86-9P
 RL: COS (Cosmetic use); NUU (Other use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of protected functional thiols as UV absorbers and antioxidants)

RN 393185-85-8 CAPLUS
 CN Benzenesulfonamide, 3-(2H-benzotriazol-2-yl)-N-(2-bromoethyl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

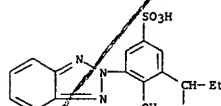


L7 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)

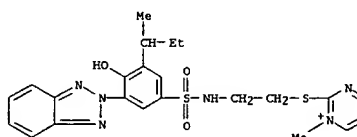


IT 92484-48-5
 RL: COS (Cosmetic use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (light-stable cosmetics or topical preps. contg. benzotriazoles and thickeners)

RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

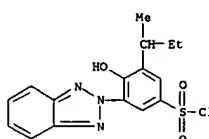


L7 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RN 393185-86-9 CAPLUS
 CN Pyrimidinium, 2-[[[3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)phenyl]sulfonyl]amino]ethyl]thio]-1-methyl-, bromide (9CI) (CA INDEX NAME)



IT 340964-11-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. of protected functional thiols as UV absorbers and antioxidants)

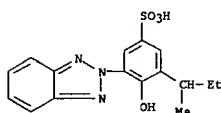
RN 340964-11-6 CAPLUS
 CN Benzenesulfonyl chloride, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:672841 CAPLUS
 DOCUMENT NUMBER: 137:24103
 TITLE: Use of benzotriazole UV-absorbers for protection of hair
 CORPORATE SOURCE: Ciba Specialty Chemicals Inc., UK
 SOURCE: Research Disclosure (2001), 449(Sept.), P1460-P1464 (No. 449015)
 CODEN: R505BB; ISSN: 0374-4353
 PUBLISHER: Kenneth Mason Publications Ltd.
 DOCUMENT TYPE: Journal; Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 449015		20010910		

PRIORITY APPLN. INFO.: RD 2001-449015 20010910
 AB Ciba Specialty Chems. came up with uncharged and cationic benzotriazole UV absorbers exhibiting very good substantivity in respect to human hair and provide effective UV protection of the hair and of natural or artificial hair color. Cosmetic preps. contain 0.05-20% by wt., based on the total wt. of the compn., of one UV absorber mixts. or UV absorber antioxidant mixts. Various examples of C1-12 compds. are presented, illustrating the combinations of UV absorbers and antioxidants in cosmetic preps. which are useful to protect hair and natural artificial hair color.
 IT 92484-48-5 340964-13-8
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (benzotriazole UV-absorbers for protection of hair)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



RN 340964-13-8 CAPLUS
 CN Benzenesulfonamide, 3-(2H-benzotriazol-2-yl)-N-[3-(diethylamino)propyl]-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:380563 CAPLUS
 DOCUMENT NUMBER: 135:9815
 TITLE: Use of benzotriazole derivatives as hair sunscreens
 INVENTOR(S): Ehliis, Thomas
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

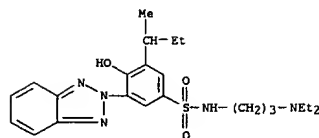
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036396	A1	20010525	WO 2000-EP10969	20001107

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BY, BE, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GW, ML, MR, NE, SN, TD, TG
 BR 2000015619 A 20020716 BR 2000-15619 20001107
 EP 1232148 A1 20020821 EP 2000-976009 20001107
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 PRIORITY APPLN. INFO.: EP 1999-811053 A 19991116
 WO 2000-EP10969 W 20001107

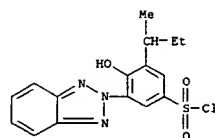
OTHER SOURCE(S): MARPAT 135:9815
 AB The use of benzotriazole UV absorbers of formula (I), wherein A is a ketoether, ketoamine, or sulfur-contg. amine; B is tertiary or quaternary amine, or a heterocyclic radical; R1, R2, R3, R4, R5 and R6 are each independently of the others hydrogen, C1-C16 alkyl; C5-C7 cycloalkyl; halogen; R9 is hydrogen, C1-C12 alkyl; or C5-C7 cycloalkyl; R7, R8 and R10 are each independently of the others hydrogen, C1-C12 alkyl C5-C7 cycloalkyl, C1-C12 hydroxyalkyl; R11 is C1-C12 alkyl; or C5-C7 cycloalkyl; R12 and R13 are each independently of the other hydrogen; or C1-C5 alkyl; in the cosmetic treatment of human hair for protection against UV radiation is described. Prep. of 14 benzotriazole derivs. is described. Stability and antimicrobial action of these derivs. was also shown.

IT 340964-11-6P
 RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (use of benzotriazole derivs. as hair sunscreens)
 RN 340964-11-6 CAPLUS
 CN Benzenesulfonyl chloride, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

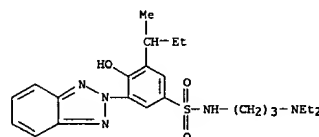
L7 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)



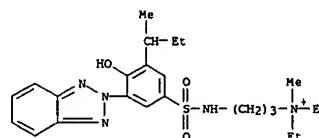
L7 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)



IT 340964-13-8P 340964-26-3P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (use of benzotriazole derivs. as hair sunscreens)
 RN 340964-13-8 CAPLUS
 CN Benzenesulfonamide, 3-(2H-benzotriazol-2-yl)-N-[3-(diethylamino)propyl]-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

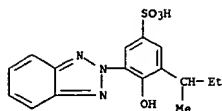


RN 340964-26-3 CAPLUS
 CN 1-Propanaminium, 3-[[[3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)phenyl]sulfonyl]amino]-N,N-diethyl-N-methyl-, iodide (9CI) (CA INDEX NAME)



IT 92484-48-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (use of benzotriazole derivs. as hair sunscreens)
 RN 92484-48-5 CAPLUS

L7 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



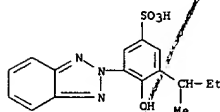
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REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:766953 CAPLUS
DOCUMENT NUMBER: 133:300909
TITLE: Synergistic sunscreen compositions containing a benzotriazole derivative, a bis-resorcinyl triazine derivative, and a compound with benzoazolyl or benzodiazolyl groups
INVENTOR(S): Candau, Didier
PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
SOURCE: Fr. Demande, 48 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2789581	A1	20000818	FR 1999-1731	19990212
FR 2789581	B1	20010504		
EP 1043013	A1	20001011	EP 2000-460243	20000131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000247857	A2	20000912	JP 2000-77239	20000214
US 6251373	B1	20010626	US 2000-503942	20000214
PRIORITY APPLN. INFO.:			FR 1999-1731	A 19990212
OTHER SOURCE(S):			MARPAT 133:300909	
AB				
Synergistic sunscreen compns. contg. a benzotriazole deriv., a bis-resorcinyl triazine deriv., and a compd. with benzoazolyl or benzodiazolyl groups. A sunscreen compn. contained Sinnovax AO 7, Cerasynt SDV 2, polydimethylsiloxane 1, cetyl alc. 1.5, Witconol TN 15, 2,4-bis[(4-(2-ethylhexyloxy)-2-hydroxyphenyl)-6-(4-methoxyphenyl)-1,3,5-triazine 2, benzotriazole-contg. silicone 3, glycerin 15, 1,4-bis-benzimidazolyl-phenylene-3,3',5',5'-tetrasulfonic acid 2, and triethanolamine q.s. pH = 7, preservatives q.s. and water q.s. 100 g. 123501-65-5				
IT				
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
(synergistic sunscreen compns. contg. benzotriazole deriv., bis-resorcinyl triazine deriv., and compd. with benzoazolyl or benzodiazolyl groups)				
RN				
123501-65-5 CAPLUS				
CN				
Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)				



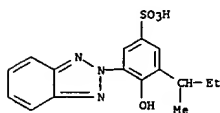
L7 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)

L7 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:573635 CAPLUS
DOCUMENT NUMBER: 133:182756
TITLE: Cosmetic compositions for photoprotection of the skin and/or hair containing a benzotriazole derivative and a triazine bis-resorcinyl
INVENTOR(S): Candau, Didier
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047176	A1	20000817	WO 2000-FR257	20000203
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, T2, UG, ZW, AT, BE, CH, CY, DE, UK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2789579	A1	20000818	FR 1999-1729	19990212
FR 2789579	B1	20020201		
EP 1150649	A1	20011107	EP 2000-901711	20000203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000009860	A	20020716	BR 2000-9860	20000203
JP 2002538086	T2	20021112	JP 2000-598129	20000203
US 2002054860	A1	20020509	US 2001-927488	20010813
PRIORITY APPLN. INFO.:			FR 1999-1729	A 19990212
			WO 2000-FR257	W 20000203
OTHER SOURCE(S):			MARPAT 133:182756	
AB				
The invention relates to novel cosmetic compns. that can be applied topically, esp. for photoprotection of the skin and/or hair, characterized in that they comprise (a) a specific benzotriazole deriv. as a first filter and (b) a specific triazine bis-resorcinyl deriv. as a second filter in a cosmetically acceptable, e.g. oil-in-water, support (Markush structure given). The invention also relates to the application of said cosmetic compns. in order to protect the skin and hair from the effects of UV radiation. A photoprotective emulsion contained Sinnovax Ao 7, Cerasynt SD 2, cetyl alc. 1.5, polydimethylsiloxane 1, Witconol TN 15, 2,4-bis[(4-(2-ethylhexyloxy)-2-hydroxyphenyl)-6-(4-methoxyphenyl)-1,3,5-triazine 2, glycerin 15, a silicone benzotriazole 3, preservatives q.s., and water q.s. 100g. 123501-65-5				
IT				
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
(cosmetic compns. for photoprotection of skin and/or hair contg. benzotriazole deriv. and triazine bis-resorcinyl)				
RN				
123501-65-5 CAPLUS				
CN				
Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)				

L7 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

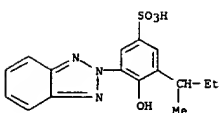
L7 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:314500 CAPLUS
 DOCUMENT NUMBER: 132:339050
 TITLE: Phenolic antioxidants in stabilization of body-care and household products
 INVENTOR(S): Huglin, Dietmar; Ehliis, Thomas; Kramer, Erich; Lupia, Joseph Anthony
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 53 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000025731	A1	20000511	WO 1999-EP7981	19991021
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914978	A	20010814	BR 1999-14978	19991021
EP 1126811	A1	20010829	EP 1999-953903	19991021
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528476	T2	20020903	JP 2000-579176	19991021
PRIORITY APPLN. INFO.: US 1998-106634P P 19981102 WO 1999-EP7981 W 19991021				

OTHER SOURCE(S): MARPAT 132:339050
 AB The use of phenolic antioxidants of the type tocopherols for stabilizing body-care and household products is described. Thus, a lipstickizer cream containing passion-flower oil 8, glyceryl dioleate 4, dicapryl ether 4, iso-Pr. Myristate 4, a phenolic antioxidant 0.05, EDTA 0.1, Carbomer 0.15, 101 NaOH 0.20, perfume and preservative qs and demineralized water to 100% by wt.
 IT 92484-48-5
 RL BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIO (Biological study); USES (Uses)
 (phenolic antioxidants in stabilization of body-care and household products)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

L7 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

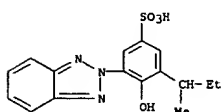
L7 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:314499 CAPLUS
 DOCUMENT NUMBER: 132:325843
 TITLE: Light stabilizers in stabilization of body-care and household products
 INVENTOR(S): Huglin, Dietmar; Ehliis, Thomas; Kramer, Erich; Lupia, Joseph Anthony; Reich, Oliver
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000025730	A1	20000511	WO 1999-EP7980	19991021
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914982	A	20010814	BR 1999-14982	19991021
EP 1135093	A1	20010926	EP 1999-953902	19991021
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528475	T2	20020903	JP 2000-579175	19991021
PRIORITY APPLN. INFO.: US 1998-106633P P 19981102 WO 1999-EP7980 W 19991021				

OTHER SOURCE(S): MARPAT 132:325843
 AB The use of light stabilizers e.g., benzotriazines, for protecting body-care and household products from photolytic degradn. is described. Thus, a non-greasy lipstick contained carnauba wax 2.5, white beeswax 20.0, ozokerite 10.0, anhyd. lanolin 5.0, cetyl alc. 2.0, liq. paraffin 3.0, iso-Pr. Myristate 3.0, propylene glycol ricinoleate 4.0, C.I. pigment-4 9.0, C.I. pigment-15 1.0, a benzotriazine light stabilizer 0.1 and castor oil to 100%
 IT 92484-48-5
 RL BUU (Biological use, unclassified); BIO (Biological study); USES (Uses)
 (light stabilizers in stabilization of body-care and household products)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

L7 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:20910 CAPLUS
DOCUMENT NUMBER: 128:62739
TITLE: A potential screening test for UV protective fabrics
AUTHOR(S): Mesa, Beatriz
CORPORATE SOURCE: University of Rhode Island, Kingston, USA
SOURCE: Book of Papers - International Conference & Exhibition, AATCC (1997) 38-45
CODEN: BPIABQ; ISSN: 0892-2713

PUBLISHER: American Association of Textile Chemists and Colorists
DOCUMENT TYPE: Journal
LANGUAGE: English

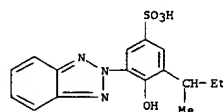
AB The possibility was studied of establishing a simple and rapid test to det. the sun blocking effects of fabrics and to evaluate the effect that colorants and known UV absorbing materials have on sun blocking ability. Wool fabrics were dyed with 2 acid dyes of known poor lightfastness, i.e., C.I. Acid Green 16 and C.I. Acid Violet 17, and then exposed to xenon arc radiation behind a range of fabrics of different fibers, undyed and dyed, and treated with known UV absorbers, i.e., Cibafast W. Variations in fiber type, dye and UV absorber affected the fading of the dyed wool fabrics. The two fabrics have different responses to the variables tested, and thus there is a clear potential for these or other dyed fabrics to act as screening materials to assess a fabric's UV protection value. This would require work to screen a no. of further candidate dyes and to correlate the fading of fabrics dyed with them under a range of materials with measured UPF values. Ultimately, the response of the dyed fabric should be correlated with actual erythral effect on human skin.

IT 92484-48-5, Cibafast W

RL: TEM (Technical or engineered material use); USES (Uses)
(UV absorber; potential screening test for detg. sun blocking protection of UV protective fabrics and evaluating effects of colorants and UV absorbers)

RN 92484-48-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L7 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:33721 CAPLUS
DOCUMENT NUMBER: 126:158689
TITLE: Sun protection properties of textile areas and their improvement
AUTHOR(S): Reinert, G.; Hilfiker, R.; Schmidt, E.; Fuso, F.
CORPORATE SOURCE: Ciba-Geigy A.-G., Basel, CH-4002, Switz.
SOURCE: Textilveredlung (1996), 31(11/12), 227-234
CODEN: TXLVAB; ISSN: 0040-5310
PUBLISHER: Schweizerische Vereinigung von Faerberei-Fachleuten
DOCUMENT TYPE: Journal
LANGUAGE: German

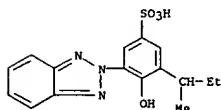
AB Skin sun protection factors were detd. for a no. of textiles [cotton, wool, silk, polyester, polyamide (PA), and PA/Elasthane] with and without impregnation with UV absorbers.

IT 92484-48-5, Cibafast W

RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(sun protection properties of fabrics and their improvement by impregnation with UV absorbers)

RN 92484-48-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L7 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:424624 CAPLUS
DOCUMENT NUMBER: 123:115174
TITLE: Facts about the application of UV absorbers on textiles
AUTHOR(S): Reinert, Gerhard; Schmidt, Erika; Hilfiker, Rolf
CORPORATE SOURCE: Basel, Switz.
SOURCE: Meliland Textilberichte (1994), 75(7-8), 606, 608, 610, 612, 614
CODEN: MTIRDL; ISSN: 0341-0781

DOCUMENT TYPE: Journal
LANGUAGE: German

AB The use of UV absorbers in protecting textiles from degradn. by UV light and in blocking/reducing the harmful effects of sunlight (UV cutting) on human skin is discussed. The types of UV absorbers used in the textile industry and the methods used to apply the UV absorbers are described and the remission spectra of diverse fiber materials, e.g., wool, silk, polyester, polyacrylonitrile, and aramid fibers, finished with a no. of com. UV absorbers, e.g., Dicylan PMC, Cibafast P, Cibafast W, Cibafast APS and Hombitec LS, are presented and discussed.

IT 134191-44-9, Cibafast W

RL: MOA (Modifier or additive use); USES (Uses)
(UV absorber; for protection of textiles from degradn. by UV light and blocking/reducing the harmful effect of sunlight on skin)

RN 134191-44-9 CAPLUS

09/830,788

Page 12

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L13 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:90516 CAPLUS
 DOCUMENT NUMBER: 136:139594
 TITLE: Topical compositions comprising protected functional thiols
 INVENTOR(S): Glenn, Robert Wayne; Katritzky, Alan Roy; Block, Eric; Shair, Matthew David; Ehliis, Thomas; Lupia, Joseph Anthony
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 40 pp., Cont.-in-part of U.S. Ser. No. 478,855.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002012639	A1	20020131	US 2001-755817	20010105
PRIORITY APPLN. INFO.:			US 1999-115278P	P 19990108
			US 1999-129453P	P 19990415
			US 2000-478855	A2 20000107

OTHER SOURCE(S): MARPAT 136:139594
 AB A topical compn. for treating amino acid-based substrates, such as hair, fur, or nails, comprises a protected thiol compd. The invention further relates to systems which comprise this protected thiol compd. and an activating mechanism. The protected thiol compds. of the present invention may be used in hair care compns., textile care compns., cosmetic compns., oral care compns., skin care, nail care, laundry care, acne care and animal care compns. Preferred embodiments of the present invention provide a modified UV absorber and a modified antioxidant, methods for making them and compns. comprising them. For example, a UV absorber compn. contained 3-benzotriazol-2-yl-N-(2-bromoethyl)-5-sec-butyl-4-hydroxybenzene sulfonamide (prepn. given) 3.00%, urea 10.00%, cocoamidopropyl betaine 0.80%, isopropanol 50.00%, and water up to 100%. The compn. can be applied simultaneously with a 5% soln. of thioglycolic acid from a kit wherein the treatment soln. and the thioglycolic acid are packaged in sep. chambers of a dual chamber package.

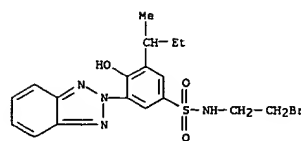
IT 393185-85-8P 393185-86-9P
 RI: COS (Cosmetic use); NUU (Other use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of protected functional thiols as UV absorbers and antioxidants)

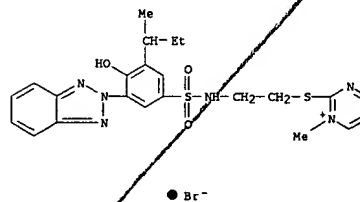
RN 393185-85-8 CAPLUS

CN Benzenesulfonamide, 3-(2H-benzotriazol-2-yl)-N-(2-bromoethyl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

L13 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 393185-86-9 CAPLUS
 CN Pyrimidinium, 2-[[[3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)phenyl]sulfonyl]amino]ethyl]thio]-1-methyl-, bromide (9CI) (CA INDEX NAME)



L13 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:766953 CAPLUS
 DOCUMENT NUMBER: 133:300909
 TITLE: Synergistic sunscreen compositions containing a benzotriazole derivative, a bis-resorcinyl triazine derivative, and a compound with benzoazolyl or benzodiazolyl groups
 INVENTOR(S): Candau, Didier
 PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
 SOURCE: Fr. Demande, 48 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2789581	A1	20000818	FR 1999-1731	19990212
FR 2789581	B1	20010504		
EP 1043013	A1	20001011	EP 2000-400243	20000131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			JP 2000-77239	20000214
JP 2000247857	A2	20000912	US 2000-503942	20000214
US 6251373	B1	20010626	FR 1999-1731	A 19990212

PRIORITY APPLN. INFO.: MARPAT 133:300909

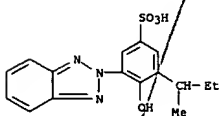
AB Synergistic sunscreen compns. contg. a benzotriazole deriv., a bis-resorcinyl triazine deriv., and a compd. with benzoazolyl or benzodiazolyl groups. A sunscreen compn. contained Sinnovax AO 7, Cerasynt SDV 2, polydimethylsiloxane 1, cetyl alc. 1.5, Witconol TN 15, 2,4-bis-[(4-(2-ethylhexyloxy)-2-hydroxyphenyl)-6-(4-methoxyphenyl)-1,3,5-triazine 2, benzotriazole-coftg. silicone 3, glycerin 15, 1,4-bis-benzimidazolyl-phenylene-3,3,5,5'-tetrasulfonic acid 2, and triethanolamine q.s. pH = 7, preservatives q.s. and water q.s. 100 g.

IT 123501-65-5
 RI: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(synergistic sunscreen compns. contg. benzotriazole deriv., bis-resorcinyl triazine deriv., and compd. with benzoazolyl or benzodiazolyl groups)

RN 123501-65-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



L13 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:573635 CAPLUS
 DOCUMENT NUMBER: 133:182756
 TITLE: Cosmetic compositions for photoprotection of the skin and/or hair containing a benzotriazole derivative and a triazine bis-resorcinyl Candau, Didier
 INVENTOR(S): L'Oreal, Fr.
 PATENT ASSIGNEE(S): PCT Int. Appl., 37 pp.
 SOURCE: CODEN: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047176	A1	20000817	WO 2000-FR257	20000203
R: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			FR 1999-1729	19990212
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2789579	A1	20000818		
FR 2789579	B1	20020201		
EP 1150649	A1	20011107	EP 2000-901711	20000203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			BR 2000-9860	20000203
BR 200009860	A	20020716	JP 2000-598129	20000203
JP 2002538086	T2	20021112	US 2001-927488	20010813
US 2002054860	A1	20020509	FR 1999-1729	A 19990212
PRIORITY APPLN. INFO.:			WO 2000-FR257	W 20000203

OTHER SOURCE(S): MARPAT 133:182756

AB The invention relates to novel cosmetic compns. that can be applied topically, esp. for photoprotection of the skin and/or hair, characterized in that they comprise (a) a specific benzotriazole deriv. as a first filter and (b) a specific triazine bis-resorcinyl deriv. as a second filter in a cosmetically acceptable, e.g. oil-in-water, support (Markush structure given). The invention also relates to the application of said cosmetic compns. in order to protect the skin and hair from the effects of UV radiation. A photoprotective emulsion contained Sinnovax Ao 7, Cerasynt SD 2, cetyl alc. 1.5, polydimethylsiloxane 1, Witconol TN 15, 2,4-bis-[(4-(2-ethylhexyloxy)-2-hydroxyphenyl)-6-(4-methoxyphenyl)-1,3,5-triazine 2, glycerin 15, a silicone benzotriazole 3, preservatives q.s., and water q.s. 100g.

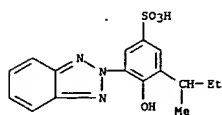
IT 123501-65-5
 RI: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cosmetic compns. for photoprotection of skin and/or hair contg. benzotriazole deriv. and triazine bis-resorcinyl)

RN 123501-65-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

L13 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

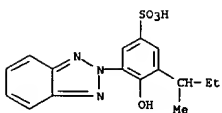
L13 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:314500 CAPLUS
DOCUMENT NUMBER: 132:339050
TITLE: Phenolic antioxidants in stabilization of body-care and household products
INVENTOR(S): Huglin, Dietmar; Ehliis, Thomas; Kramer, Erich; Lupia, Joseph Anthony
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000025731	A1	20000511	WO 1999-EP7981	19991021
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914978	A	20010814	BR 1999-14978	19991021
EP 1126811	A1	20010829	EP 1999-953903	19991021
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528476	T2	20020903	JP 2000-579176	19991021
PRIORITY APPLN. INFO.: US 1998-106634P P 19981102 WO 1999-EP7981 W 19991021				

OTHER SOURCE(S): MARPAT 132:339050
AB He use of phenolic antioxidants of the type tocopherols for stabilizing body-care and household products is described. Thus, a moisturizer cream contained passion-flower oil 8, glyceryl dioleate 4, dicapryl ether 4, iso-Pr isostearate 4, a phenolic antioxidant 0.05, EDTA 0.1, Carbomer 0.15, 10% NaOH 0.20, perfume and preservative qs and demineralized water to 100% by wt.
IT 92484-48-5
RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(phenolic antioxidants in stabilization of body-care and household products)
RN 92484-48-5 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

L13 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

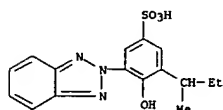
L13 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:314499 CAPLUS
DOCUMENT NUMBER: 132:325843
TITLE: Light stabilizers in stabilization of body-care and household products
INVENTOR(S): Huglin, Dietmar; Ehliis, Thomas; Kramer, Erich; Lupia, Joseph Anthony; Reich, Oliver
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000025730	A1	20000511	WO 1999-EP7980	19991021
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914982	A1	20010814	BR 1999-14982	19991021
EP 1135093	A1	20010826	EP 1999-953902	19991021
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528475	T2	20020903	JP 2000-579175	19991021
PRIORITY APPLN. INFO.: US 1998-106633P P 19981102 WO 1999-EP7980 W 19991021				

OTHER SOURCE(S): MARPAT 132:325843
AB The use of light stabilizers e.g., benzotriazines, for protecting body-care and household products from photolytic degradn. is described. Thus, a non-greasy lipstick contained carnauba wax 2.5, white beeswax 20.0, ozokerite 10.0, anhyd. lanolin 5.0, cetyl alc. 2.0, liq. paraffin 3.0, iso-Pr Myristate 3.0, propylene glycol ricinoleate 4.0, C.I. pigment-4 9.0, C.I. pigment-15 1.0, a benzotriazine light stabilizer 0.1 and castor oil to 100%.
IT 92484-48-5
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(light stabilizers in stabilization of body-care and household products)
RN 92484-48-5 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

L13 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

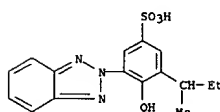
L13 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:20910 CAPLUS
DOCUMENT NUMBER: 128:62739
TITLE: A potential screening test for UV protective fabrics
AUTHOR(S): Mesa, Beatriz
CORPORATE SOURCE: University of Rhode Island, Kingston, USA
SOURCE: Book of Papers - International Conference & Exhibition, AATCC (1997) 38-45
CODEN: BPIAEQ; ISSN: 0892-2713
PUBLISHER: American Association of Textile Chemists and Colorists
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The possibility was studied of establishing a simple and rapid test to det. the sun blocking effects of fabrics and to evaluate the effect that colorants and known UV absorbing materials have on sun blocking ability. Wool fabrics were dyed with 2 acid dyes of known poor lightfastness, i.e., C.I. Acid Green 16 and C.I. Acid Violet 17, and then exposed to xenon arc radiation behind a range of fabrics of different fibers, undyed and dyed, and treated with known UV absorbers, i.e., Cibafast W. Variations in fiber type, dye and UV absorber affected the fading of the dyed wool fabrics. The two fabrics have different responses to the variables tested, and thus there is a clear potential for these or other dyed fabrics to act as screening materials to assess a fabric's UV protection value. This would require work to screen a no. of further candidate dyes and to correlate the fading of fabrics dyed with them under a range of materials with measured UPF values. Ultimately, the response of the dyed fabric should be correlated with actual erythema effect on human skin.

IT 92484-48-5, Cibafast W
RL: TEM (Technical or engineered material use); USES (Uses)
(UV absorber; potential screening test for detg. sun blocking protection of UV protective fabrics and evaluating effects of colorants and UV absorbers)

RN 92484-48-5 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

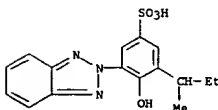
L13 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:33721 CAPLUS
DOCUMENT NUMBER: 126:158689
TITLE: Sun protection properties of textile areas and their improvement
AUTHOR(S): Reinert, G.; Hilfiker, R.; Schmidt, E.; Fuso, F.
CORPORATE SOURCE: Ciba-Geigy A.-G., Basel, CH-4002, Switz.
SOURCE: Textilveredlung (1996), 31(11/12), 227-234
CODEN: TXIVAE; ISSN: 0040-5310
PUBLISHER: Schweizerische Vereinigung von Faerberei-Fachleuten
DOCUMENT TYPE: Journal
LANGUAGE: German

AB Skin sun protection factors were detd. for a no. of textiles [cotton, wool, silk, polyester, polyamide (PA), and PA/Elasthane] with and without impregnation with UV absorbers.

IT 92484-48-5, Cibafast W
RL: MOA (Modifier or additive use); FRP (Properties); USES (Uses)
(sun protection properties of fabrics and their improvement by impregnation with UV absorbers)

RN 92484-48-5 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L13 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:424624 CAPLUS
DOCUMENT NUMBER: 123:115174
TITLE: Facts about the application of UV absorbers on textiles
AUTHOR(S): Reinert, Gerhard; Schmidt, Erika; Hilfiker, Rolf
CORPORATE SOURCE: Basel, Switz.
SOURCE: Melliand Textilberichte (1994), 75(7-8), 606, 608, 610, 612, 614
CODEN: MTIROL; ISSN: 0341-0781
DOCUMENT TYPE: Journal
LANGUAGE: German

AB The use of UV absorbers in protecting textiles from degrdn. by UV light and in blocking/reducing the harmful effects of sunlight (UV cutting) on human skin is discussed. The types of UV absorbers used in the textile industry and the methods used to apply the UV absorbers are described and the remission spectra of diverse fiber materials, e.g., wool, silk, polyester, polyacrylonitrile, and aramid fibers, finished with a no. of com. UV absorbers, e.g., Dicrylan PMC, Cibafast P, Cibafast W, Cibatex APS and Hombitac L5, are presented and discussed.

IT 134191-44-9, Cibafast W
RL: MOA (Modifier or additive use); USES (Uses)
(UV absorber; for protection of textiles from degrdn. by UV light and blocking/reducing the harmful effect of sunlight on skin)
RN 134191-44-9 CAPLUS

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(FILE 'HOME' ENTERED AT 07:01:45 ON 25 NOV 2002)

FILE 'REGISTRY' ENTERED AT 07:01:53 ON 25 NOV 2002

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 32 S L1 FULL

FILE 'USPATFULL' ENTERED AT 07:02:39 ON 25 NOV 2002

L4 21 S L3

L5 10 S L4 AND (SKIN OR BODY OR COSMETIC?)

FILE 'CAPLUS' ENTERED AT 07:06:44 ON 25 NOV 2002

L6 69 S L3

L7 11 S L6 AND (SKIN OR BODY OR COSMETIC?)

L8 42 S L6 AND (FILTER OR ABSORBER?)

L9 44 S L6 AND (FILTER OR ABSORB?)

L10 23 S L9 NOT PY>=1998

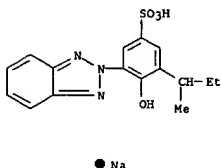
L11 66 S L3/USES

L12 43 S L11 AND (FILTER OR ABSORB? OR FILTER? OR ABSORB?)

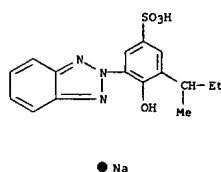
L13 8 S L11 AND (SKIN OR BODY OR COSMETIC? AND FILTER? OR ABORB?)

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L15 ANSWER 1 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:896813 CAPLUS
 DOCUMENT NUMBER: 134:341555
 TITLE: Improvement of the durability of light fastness treatment obtained with Cibafast W
 AUTHOR(S): Baltova, S.; Vassileva, V.; Arsov, A.
 CORPORATE SOURCE: Bulg.
 SOURCE: Godishnik na Khimikotekhnologichniya i Metalurgichen Universitet (1997), 32, 98-107
 CODEN: GKMUAK; ISSN: 1311-4190
 PUBLISHER: Khimikotekhnologichen i Metalurgichen Universitet
 DOCUMENT TYPE: Journal
 LANGUAGE: Bulgarian
 AB Lightfastness of wool and natural silk fabrics can be improved by using Cibafast W UV-absorber. However lightfastness rendered by such treatment has low laundering fastness. The latter can be improved by fabric treatment with cationic surfactants.
 IT 92484-48-5, Cibafast W
 RL: NUU (Other use, unclassified); USES (Uses)
 (Improvement of durability of light fastness treatment by Cibafast W)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



L15 ANSWER 2 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:679032 CAPLUS
 DOCUMENT NUMBER: 130:4765
 TITLE: Investigating the photo-oxidation of wool using FT-Raman and FT-IR spectroscopies
 AUTHOR(S): Jones, D. C.; Carr, C. M.; Cooke, W. D.; Lewis, D. M.
 CORPORATE SOURCE: Wool Research Organisation of New Zealand, Christchurch, N. Z.
 SOURCE: Textile Research Journal (1998), 68(10), 739-748
 CODEN: TRJOA9; ISSN: 0040-5175
 PUBLISHER: Textile Research Institute
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Fourier transform IR and Fourier transform Raman spectroscopies are used in combination to investigate the photo-oxidation of wool and the protective effect of the UV absorber Cibafast W. Extended light exposure decreases the intensity of the S-S and C-S bands due to cystine and also reduces the intensity of the C-C stretching band, which is mainly attributed to the .alpha.-helix. A new band at 977 cm⁻¹ in the Raman spectrum increases with exposure time, but its nature is uncertain. Exposure to light also produces changes in the chem. environment of tyrosine residues. Cibafast W decreases the rate of disulfide bond fission and cysteine acid formation, being most effective at low levels of light exposure. This effect is confirmed by measurements of the rate of photocoloring and phototendering of wool fabrics.
 IT 92484-48-5, Cibafast W
 RL: MOA (Modifier or additive use); NUU (Other use, unclassified); PRP (Properties); USES (Uses)
 (the photo-oxidn. of wool using FT-Raman and FT-IR spectroscopies)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

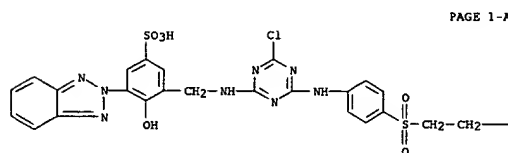


REFERENCE COUNT: 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:613446 CAPLUS
 DOCUMENT NUMBER: 129:261710
 TITLE: Hydroxybenzotriazoles for enhancing the sun protection factor of cellulosic fiber materials
 INVENTOR(S): Fuso, Francesco; Reinert, Gerhard
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Corp., USA
 SOURCE: U.S., 6 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5811081	A	19980922	US 1995-534523	19950927

OTHER SOURCE(S): MARPAT 129:261710
 AB The hydroxybenzotriazoles enhance the UV protection of cellulosic fiber materials such as cotton fabrics. Bleached cotton tricot is treated at 60.degree. for 20 min in a jet dyeing machine with a liquor contg. 1 g, Na sulfate 75 g, 30 g Na2CO3 was added, and the fabric treated another 1 h to give a highly UV resistant fabric.
 IT 177969-74-3
 RL: MOA (Modifier or additive use); USES (Uses)
 (hydroxybenzotriazoles for stabilizing cotton fabric)
 RN 177969-74-3 CAPLUS
 CN Benzenesulfonic acid, 5-(2H-benzotriazol-2-yl)-3-[[[4-chloro-6-[[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]methyl]-4-hydroxy- (9CI) (CA INDEX NAME)



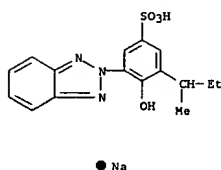
PAGE 1-A

PAGE 1-B

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REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:414362 CAPLUS
 DOCUMENT NUMBER: 129:56518
 TITLE: Photochemical behavior of natural silk I. Kinetic investigation of photoyellowing
 AUTHOR(S): Baltova, Stela; Vassileva, Violeta; Valtcheva, Eva
 CORPORATE SOURCE: University of Chemical Technology and Metallurgy, Sofia, 1756, UK
 SOURCE: Polymer Degradation and Stability (1998), 60(1), 53-60
 CODEN: POSTD4; ISSN: 0141-3910
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The kinetics of the photoyellowing of silk in the presence of a sulfonated benzotriazole UV absorber was investigated. A power kinetic equation describing surface reactions on an energetically and exponentially inhomogeneous surface was used for that purpose. A correlation between yellowness index and carbonyl group formation during irradiation is shown.
 IT 92484-48-5, Cibafast W
 RL: NUU (Other use, unclassified); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)
 (kinetics of photoyellowing of natural silk in presence of sulfonated benzotriazole in relation to carbonyl group formation)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

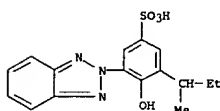


L15 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:116477 CAPLUS
 DOCUMENT NUMBER: 128:218281
 TITLE: UV absorber for protecting of wool against photooxidative damage
 AUTHOR(S): Schadowski, Ralf; Schaefer, Karola; Hoecker, Hartwig
 CORPORATE SOURCE: Deutsches Wollforschungsinstitut e.V., Aachen, Germany
 SOURCE: DWI Reports (1998), 121, 579-586
 CODEN: DWIREC; ISSN: 0942-301X
 PUBLISHER: Deutsches Wollforschungsinstitut an der Technischen Hochschule Aachen
 DOCUMENT TYPE: Journal
 LANGUAGE: German

AB The influence of blue light, UV radiation, and O₂ plasma treatment on wool and tryptophan as model substance was investigated as well as the effects of UV absorbers on photodegrdn. of wool. Expts. were performed using wool in combination with various UV absorbers e.g. Cibafast W and Tinofast RSC consisting of sulfonated hydrobenzotriazole and piperidine derivs., resp. The effect of UV radiation on wool fibers is exemplified by at. force microscopy and ESR. Photooxidn. of tryptophan is discussed and adapted to the photodegrdn. of wool. Radical populations, measured by ESR showed no influence of UV absorbers on photodegrdn. of wool.

IT 92484-48-5, Cibafast W
 RL: MOA (Modifier or additive use); USES (Uses)
 (effects on photodegrdn. of wool)

RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:284412 CAPLUS
 DOCUMENT NUMBER: 124:319594
 TITLE: Dyeing polyamide fibers with improved fastness to light and heat
 INVENTOR(S): Reinert, Gerhard; Fusco, Francesco
 PATENT ASSIGNEE(S): Ciba-Geigy A.G., Switz.
 SOURCE: Ger. Offen., 23 pp.
 CODEN: GWXXRX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

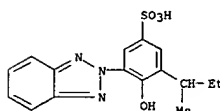
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19531995	A1	19960307	DE 1995-19531995	19950830
PRIORITY APPLN. INFO.:			CH 1994-2692	19940902

OTHER SOURCE(S): MARPAT 124:319594

AB In the title process, polyamide fibers are dyed with solns. contg. water-sol. triazine derivs. with specified structures and UV absorbers with specified structures. A nylon 6 knit was dyed with a soln. contg. Cr-complex dye 0.04, 1:2 Co-complex dye 0.002, 1:2 Co-complex dye mixt. 0.001, I 0.25, and II 0.75% (on fiber) for 45 min at 95.degree. to give a knit with lightfastness rating 7-8 (ISO 105-B02; xenon light; blue scale) and 3-4 (DIN 75.202; gray scale).

IT 92484-48-5
 RL: MOA (Modifier or additive use); USES (Uses)
 (light stabilizer, with triazine derivs. for dyeing polyamide fibers with metal complex dyes with improved fastness to light and heat)

RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:244488 CAPLUS
 DOCUMENT NUMBER: 124:319541
 TITLE: Thermal yellowing and thermal stabilization of wool
 AUTHOR(S): Schaefer, Karola; Dechesne, Mathias; Hoecker, Hartwig
 CORPORATE SOURCE: Deutsches Wollforschungsinstitut, RWTH Aachen e. V., Germany
 SOURCE: DWI Reports (1996), 117(Aachener Textiltagung, 1995), 625-35
 CODEN: DWIREC
 PUBLISHER: Deutsches Wollforschungsinstitut an der Technischen Hochschule Aachen
 DOCUMENT TYPE: Journal
 LANGUAGE: German

AB The extent of the yellowing of wool subjected to thermal stress depends on the temp. and time of the drying process and is greater in a strongly acid pH range, with temp. effects in the drying wool, with oxidatively damaged wool, and with fluorescently whitened wool. An evaluation of the effect of various types of stabilizers on the thermal stability of wool in drying processes, tentering, thermofixing, pressing and steaming, and high-temp. dyeing showed that some antioxidants (e.g., Cibafast W, Irganox 1076, Irganox 1098, Irganox 1425, and Tinuvin 292) were effective as heat stabilizers in these processes.

IT 134191-44-9, Cibafast W
 RL: MOA (Modifier or additive use); USES (Uses)
 (heat stabilizers; for prevention of yellowing of wool subjected to thermal stress during processing)

RN 134191-44-9 CAPLUS

L15 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:244486 CAPLUS
 DOCUMENT NUMBER: 125:11410
 TITLE: Effect of UV stabilizers on the photodegradation of tryptophan
 AUTHOR(S): Schadowski, Ralf; Schaefer, Karola; Hoecker, Hartwig
 CORPORATE SOURCE: Deutsches Wollforschungsinstitut, RWTH Aachen e.V., Germany
 SOURCE: DWI Reports (1996), 117(Aachener Textiltagung, 1995), 601-11
 CODEN: DWIREC
 PUBLISHER: Deutsches Wollforschungsinstitut an der Technischen Hochschule Aachen
 DOCUMENT TYPE: Journal
 LANGUAGE: German

AB The effect of UV stabilizers., esp. Cibafast W, Uvinul D569 (2,2'-dihydroxy-4,4'-dimethoxybenzophenonedisulfonic acid disodium salt), and Tinuvin 292 on the photodegrdn. of Trp are given.

IT 134191-44-9, Cibafast W
 RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses)
 (effect of UV stabilizers on the photodegrdn. of tryptophan)

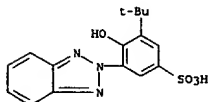
RN 134191-44-9 CAPLUS

L15 ANSWER 9 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:244470 CAPLUS
 DOCUMENT NUMBER: 124:292149
 TITLE: Textile fabrics of cotton, wool and silk in transmitted sunlight
 AUTHOR(S): Reinert, Gerhard; Hilfiker, Rolf; Schmidt, Erika; Fuso, Francesco
 CORPORATE SOURCE: Ciba Geigy AG, Basel, Switz.
 SOURCE: DWI Reports (1996), 117(Aachener Textiltagung, 1995), 259-73
 CODEN: DWIREC
 PUBLISHER: Deutsches Wollforschungsinstitut an der Technischen Hochschule Aachen
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Diffuse UV transmission spectra of the textile fabrics and the degree of sunburn protection afforded by using UV absorbers and dyes were examd. Untreated cotton and silk had higher radiation permeability than wool.
 IT 134191-44-9, Cibafast W
 RL: MOA (Modifier or additive use); USES (Uses)
 (sunlight-blocking action of textile additives and dyes)
 RN 134191-44-9 CAPLUS

L15 ANSWER 10 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:498794 CAPLUS
 DOCUMENT NUMBER: 123:146536
 TITLE: Light stabilization of protein fibers with Cibafast W
 AUTHOR(S): Vassileva, V.; Arsov, A.; Baltova, S.; Stoyanov, K.
 CORPORATE SOURCE: Abteilung Textilchemie, Technologische Universitaet, Sofia, 1756, Bulg.
 SOURCE: Textilveredlung (1994), 29(11), 336-40
 CODEN: TXLVAE; ISSN: 0040-5310
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB The light protective effect of Cibafast W on undyed wool and silk was studied. With the aid of statistical expl. design the treatment conditions were defined for producing an optimum protective effect by the exhaust method, based on the retardation of yellowing on exposure to light and photodegrdn. of the fiber. Based on a comparison of widely different processing conditions, a weakly acid medium was found to be the most favorable process with respect to fiber damage.
 IT 134191-44-9, Cibafast W
 RL: MOA (Modifier or additive use); USES (Uses)
 (UV absorber; light stabilization of protein fibers with)
 RN 134191-44-9 CAPLUS

L15 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:365327 CAPLUS
 DOCUMENT NUMBER: 122:277887
 TITLE: Attempts to photostabilize paper made from high-yield pulp by application of UV screens and control of pH
 AUTHOR(S): Stephen Davidson, R.; Dunn, Linda; Castellan, Alain; Nourmamode, Aziz
 CORPORATE SOURCE: Chemical Laboratory, University of Kent, Canterbury, CT2 7NH, UK
 SOURCE: Journal of Photochemistry and Photobiology, A: Chemistry (1995), 86(1-3), 275-82
 CODEN: JPPCEJ; ISSN: 1010-6030
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Paper made from bleached chemithermomech. pulp (CTMP) was treated with UV absorbers, e.g. 2,4-dihydroxybenzophenone and a 2-(2-hydroxyphenyl)benzotriazole deriv. (Tinuvin 1130) to reduce the tendency of the paper to undergo photoyellowing. While some of the UV absorbers offer some protection, their effect can be enhanced by use in conjunction with a reducing agent (sodium hypophosphite) and by lowering the pH of the paper by application of potassium dihydrogen phosphate. The best effect was obtained by using Tinuvin 1130 in combination with both a reducing agent and potassium dihydrogen phosphate. The use of hindered phenols in both the presence and absence of thiols offered little protection to the paper.
 IT 147741-16-0
 RL: MOA (Modifier or additive use); USES (Uses)
 (photostabilization of paper made from high-yield pulp by application of UV screens and control of pH)
 RN 147741-16-0 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy- (9CI) (CA INDEX NAME)

L15 ANSWER 12 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:582739 CAPLUS
 DOCUMENT NUMBER: 119:182739
 TITLE: Influence of shade depth on the effectiveness of selected ultraviolet absorbers in reducing fading
 AUTHOR(S): Rich, Wendelin Marie; Crews, Patricia Cox
 CORPORATE SOURCE: Dep. Text., Univ. Nebraska, Lincoln, NE, 68583, USA
 SOURCE: Textile Research Journal (1993), 63(4), 231-8
 CODEN: TRJQAS; ISSN: 0040-5175
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The ability of 7 UV absorbers to reduce fading of nylon colored with 9 synthetic acid dyes was evaluated. By including 2 concns., the influence of depth of shade on the absorbers' effectiveness could be evaluated. Specimens were treated with UV absorbers using 1 of 2 application methods: an exhaust bath at 100.degree. or an immersion treatment at room temp. After treatment, specimens were exposed to 160 AFUs of light in a Xe-arc Weather-Ometer, then evaluated instrumentally to det. the amt. of color change. The UV absorbers examd. here provided only very limited beneficial effects. Only 2 had no detrimental effects on all dye/shade combinations to which they were applied, and their beneficial effects were limited to 4-7 of the 18 dye/shade combinations evaluated. This series of tests leads to no general recommendations regarding UV absorber use because some of the acid-dyed nylon specimens treated with UV absorbers exhibited no improvement in lightfastness, while other treated specimens actually exhibited greater fading or color change than their resp. untreated controls. Further testing is needed to det. the effects of specific absorbers on specific dyes not examd. in this study, because the effectiveness of each absorber appears to be dye and shade specific.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (UV absorbers, fading of nylon fibers dyed with acid dyes and treated with)
 RN 134191-44-9 CAPLUS



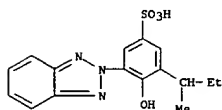
L15 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:236387 CAPLUS
 DOCUMENT NUMBER: 118:236387
 TITLE: Improving the light resistance of leather by adding UV absorbers
 INVENTOR(S): Burdeska, Kurt; Puentener, Alois; Page, Campbell
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 512946	A1	19921111	EP 1992-810292	19920422
EP 512946	B1	19950913		

R: CH, DE, FR, GB, IT, LI
 JP 05272076 A2 19931019

JP 1992-112671 19920501
 CH 1991-1321 19910502

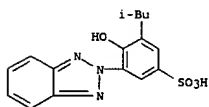
PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 118:236387
 AB The light resistance of dyed and undyed leathers is improved by UV absorbers selected from 2-hydroxybenzophenone derivs., 2-(2-hydroxyphenyl)benzotriazole derivs., and 2-(2-hydroxyphenyl)-s-triazine derivs. Leather treated with a dye bath contg. a Cr complex dye and 2-(3-n-butyl-2-hydroxy-5-sulfophenyl)benzotriazole Na salt (I) showed better light resistance than a similar leather contg. no I.
 IT 92484-48-5 123501-65-5 147741-15-9
 147741-16-0 147741-17-1 147741-18-2
 147741-19-3 147741-20-6 147741-21-7
 147741-22-8
 RL: USES (Uses)
 (light stabilizers, for leather)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



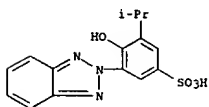
• Na

RN 123501-65-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

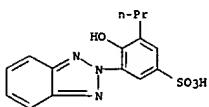
L15 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)
 methylpropyl)- (9CI) (CA INDEX NAME)



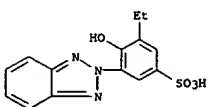
RN 147741-19-3 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylethyl)- (9CI) (CA INDEX NAME)



RN 147741-20-6 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-propyl- (9CI) (CA INDEX NAME)

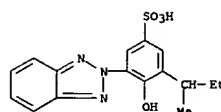


RN 147741-21-7 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-ethyl-4-hydroxy- (9CI) (CA INDEX NAME)

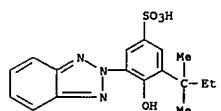


RN 147741-22-8 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-methyl- (9CI) (CA INDEX NAME)

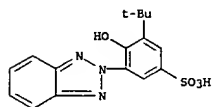
L15 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



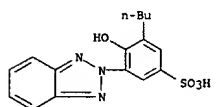
RN 147741-15-9 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylpropyl)-4-hydroxy- (9CI) (CA INDEX NAME)



RN 147741-16-0 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy- (9CI) (CA INDEX NAME)

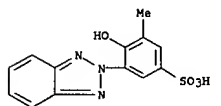


RN 147741-17-1 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-butyl-4-hydroxy- (9CI) (CA INDEX NAME)



RN 147741-18-2 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(2-

L15 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



L15 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:235808 CAPLUS
 DOCUMENT NUMBER: 118:235808
 TITLE: A new commercial UV absorber for the protection of wool and wool dyeings
 AUTHOR(S): Mosimann, W.; Benisek, L.; Burdeska, K.; Leaver, I. H.; Myers, P. C.; Reinert, G.; Wilshire, J. F. K.
 CORPORATE SOURCE: Div. Wool Technol., CSIRO, Australia
 SOURCE: Proc. Int. Wool Text. Res. Conf., 8th (1990), Volume 4, 239-49. Editor(s): Crawshaw, G. H. Wool Res. Organ. N. Z.: Christchurch, N. Z.
 CODEN: 58KRAI
 CONFERENCE
 DOCUMENT TYPE: English
 LANGUAGE: English
 AB The addn. of UV absorber Cibafast W to wool during dyeing reduces photodegrdn. of the dyed wool and improves the lightfastness of the dyes.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (UV absorber, wool dyeing in presence of, for improvement of light fastness of dye and stabilization of fiber)
 RN 134191-44-9 CAPLUS

L15 ANSWER 15 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:193508 CAPLUS
 DOCUMENT NUMBER: 118:193508
 TITLE: Thermal and photochemical stabilization of polyamide fibers from aqueous liquors
 AUTHOR(S): Reinert, G.
 CORPORATE SOURCE: Ciba-Geigy Ltd., Basel, Switz.
 SOURCE: Chemiefasern/Textilindustrie (1992), 42(9), E99-E100, 715-17
 CODEN: CFTXAJ; ISSN: 0340-3343
 JOURNAL
 DOCUMENT TYPE: English/German
 LANGUAGE: English/German
 AB Stabilizers including Cibafast N (I), Cibafast W, and Antioxidant F (II) for application to polyamide fibers from aq. liquors or dyebaths were evaluated. I and II greatly suppressed thermooxidn. of the fibers. I gave fibers with good heat stability. The antioxidant content had a very marked effect on the lightfastness at high ambient temp. of the dyeings and on the technol. properties after exposure to light and prolonged heating.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (UV absorbers, for polyamide fibers from aq. liquors)
 RN 134191-44-9 CAPLUS

L15 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:532815 CAPLUS
 DOCUMENT NUMBER: 117:132815
 TITLE: The photostability of shrinkproofing polymer systems on wool fabric
 AUTHOR(S): Kim, J. I.; David, S. K.
 CORPORATE SOURCE: Dep. Text. Technol., Univ. New South Wales, Kensington, 2033, Australia
 SOURCE: Polymer Degradation and Stability (1992), 38(2), 131-7
 CODEN: POSTOW; ISSN: 0141-3910
 JOURNAL
 DOCUMENT TYPE: English
 LANGUAGE: English
 AB The UV absorbers Cibafast W (I) and Uvinul D549 (II) were applied to wool treated with various shrinkproofing polymer systems. The photoprotective effects conferred by these absorbers in the presence of a surface polymer application on wool were assessed with respect to breaking strength, yellowness, and retention of the shrink-resist effect. Exposure tests were carried out using Hg-W P incandescent (MBTF) and natural sunlight irradiation. Following prolonged exposure the efficacy of I absorber, with respect to improving wool fabric breaking strength, was diminished on application of Synthapret BAP and Basolan SW treated wools, but not in the cases of the Hercosett 57 and Ultratex EMJ treated wools. Effective retention of wool fabric breaking strength was obsd. for the Hercosett 57 (III)-II system with combined application of the antioxidant, Irganox 1425. The shrink resistances of III- and Ultratex EMJ-treated wools are fully retained, while those of Basolan SW and Synthapret BAP are completely lost. None of the polymer-absorber-antioxidant systems investigated in this work retard the photoyellowing of wool during natural sunlight exposure.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (UV absorbers, photostability of shrinkproofing polymer systems on wool fabric in presence of)
 RN 134191-44-9 CAPLUS

L15 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:196057 CAPLUS
 DOCUMENT NUMBER: 116:196057
 TITLE: Investigation of the photobleaching of wool during an exposure to light behind windowglass
 AUTHOR(S): Schaefer, Karola; Groeger, Bettina
 CORPORATE SOURCE: Dtsch. Wollforschungsinstit., TH Aachen e.V., Germany
 SOURCE: Schriftenreihe des Deutschen Wollforschungsinstitutes (Technische Hochschule Aachen) (1991), 108 (Aachener Textiltag., 1990), 249-60
 CODEN: DWTSDZ; ISSN: 0170-6322
 JOURNAL
 DOCUMENT TYPE: German
 LANGUAGE: German
 AB Photobleaching of the wool chromophore was obsd. after exposure of wool to light behind window glass. The yellow value of the wool strongly affected photobleaching and the extent of the changes in the yellow value produced on exposure to light behind window glass. The photobleaching was not affected by fiber fineness or a superwash finishing. In the case of fluorohydrocarbon-treated wool (i.e., for antisoil finishing), the photobleaching produced after photoexposure for 6-8 wk was less marked than that obsd. with untreated merino top. The application of light-protecting agents did not prevent photobleaching. Treatment with reducing agents (e.g., Lufibrol FW and Lorinol R) reduced the photobleaching produced by exposure to light behind window glass. The effect of the reducing agent was strongly affected by the application conditions (esp. pH) which det. the reductive effect of the reducing agent.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (wool textile finishing by, photobleaching behind window glass in relation to)
 RN 134191-44-9 CAPLUS

L15 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:131117 CAPLUS
 DOCUMENT NUMBER: 116:131117
 TITLE: Improvement of lightfastness of dyed polyamide fabrics
 INVENTOR(S): Kanemitsu, Tsukasa; Fujiwara, Hiroyuki
 PATENT ASSIGNEE(S): Nippon Teori K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JJOQAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03269167	A2	19911129	JP 1990-67263	19900319

OTHER SOURCE(S): MARPAT 116:131117

AB In the title process, dyed polyamide fibers are treated with hydroxyphenylbenzotriazole compds. then Cu compds. Thus, a wool fabric was dyed with a liq. contg. Irgalan Yellow GRL (2001) 0.05, Irgalan Red Brown RL (2001) 0.07 and Irgalan Grey BRL 0.05% for 30 min at 100.degree., treated with a soln. contg. 2.5% Cibafast W (sulfonated hydroxyphenylbenzotriazole) for 30 min at 80.degree., and subsequently treated with a 0.3% Cu acetate soln. for 30 min at 30.degree. to give a dyed fabric with good lightfastness, vs. poor for the untreated fabric.

IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (lightfastness improver, with copper acetate, for dyeing of wool)

RN 134191-44-9 CAPLUS

L15 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:108169 CAPLUS
 DOCUMENT NUMBER: 116:108169
 TITLE: The photostabilization of wool
 AUTHOR(S): Schaefer, Karola; Groeger, Bettina
 CORPORATE SOURCE: Ger. Wool Res. Inst., Aachen Univ. Technol., Germany
 SOURCE: Melliand Textilberichte (1991), 72(8), E271-E275, 664-71
 CODEN: MTIRDL; ISSN: 0341-0781
 DOCUMENT TYPE: Journal
 LANGUAGE: English/German

AB Wool is stabilized against photoyellowing by addn. of light stabilizers. A loss in mech. strength of wool after exposure to light may be reduced by some stabilizers. Sterically hindered amine stabilizers show a photoprotective effect.

IT 134191-44-9, Cibafast W
 RL: MOA (Modifier or additive use); USES (Uses)
 (light stabilizers, for wool, efficacy of)

RN 134191-44-9 CAPLUS

L15 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:473568 CAPLUS
 DOCUMENT NUMBER: 115:73568
 TITLE: Dyeing process for wool with improved lightfastness and color brightness
 INVENTOR(S): Reinert, Gerhard
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 417040	A1	19910313	EP 1990-810646	19900828

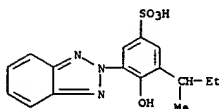
OTHER SOURCE(S): MARPAT 115:73568

AB In the title process, wool is first dyed with liq. contg. anionic dyes and a UV absorber, then treated with an oxidative bleaching agent, and finally treated with a reducing bleaching agent. Thus, a woven wool fabric was dyed with a liq. contg. I 0.005, II 0.01, and III 1% for 45 min at 85.degree., bleached with a liq. contg. 15 mL/L 33% H2O2 for 60 min, and subsequently bleached with a liq. contg. 1.6 g/L NaHSO3 for 45 min giving a brilliant violet fabric with lightfastness rating (SN-150 105-B02, xenon) 6.

IT 92484-48-5
 RL: USES (Uses)
 (dyeing compns. contg., for wool, with improved lightfastness)

RN 92484-48-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 21 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:431308 CAPLUS
 DOCUMENT NUMBER: 115:31308
 TITLE: Benzotriazolylphenols as light stabilizers for inks
 INVENTOR(S): Laver, Hugh Stephen
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 19 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 415880	A2	19910306	EP 1990-810617	19900816

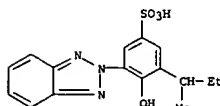
OTHER SOURCE(S): MARPAT 115:31308

AB Benzotriazolylphenols of specified structure, bearing a sulfo group, are useful as light stabilizers for inks, esp. for jet-printing inks. An ink contg. 1.5% 4-methyl-2-sulfo-6-(5-sulfo-2H-benzotriazol-2-yl)phenol di-Na salt (I) was jet-printed on a coated paper and exposed in a Weather-O-Meter, resulting in a 10% loss of color d. vs. 15 without I.

IT 92484-48-5 134672-82-5
 RL: USES (Uses)
 (light stabilizers, for jet-printing inks)

RN 92484-48-5 CAPLUS

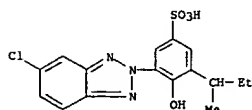
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 134672-82-5 CAPLUS
 CN Benzenesulfonic acid, 3-(5-chloro-2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monolithium salt (9CI) (CA INDEX NAME)

L15 ANSWER 21 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Li

L15 ANSWER 22 OF 40 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:431015 CAPLUS
 DOCUMENT NUMBER: 115:31015
 TITLE: Light stabilization of wool with UV absorbers
 AUTHOR(S): Reinert, G.
 CORPORATE SOURCE: Ciba-Geigy A.-G., Basel, CH-4002, Switz.
 SOURCE: Textilveredlung (1991), 26(3), 86-92
 CODEN: TXLVAE; ISSN: 0040-5310
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB Cibafast V (1), a sulfonated (2-hydroxyphenyl)benzotriazole deriv. UV absorber for the photochem. protection of wool, imparts a more stable natural white tone to the fibers, improves the lightfastness of dyed fabrics, and retards the photochem. degradn. of the wool. I is handled like a "colorless acid wool dye" and can be applied directly from the dyebath.
 IT 134191-44-9, Cibafast V
 RL: USES (Uses)
 (UV absorbers, for wool textiles)
 RN 134191-44-9 CAPLUS

L15 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:430940 CAPLUS
 DOCUMENT NUMBER: 115:30940
 TITLE: New developments in wool dyeing
 AUTHOR(S): Benisek, Ladislav; Duffield, Peter Antony; Holt, Richard R. D.; Rushforth, Michael A.
 CORPORATE SOURCE: Ilkley, UK
 SOURCE: Melland Textilberichte (1990), 71(8), E280-E283, 604-9
 CODEN: MTIROL; ISSN: 0341-0781
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English/German
 AB Three new developments in wool dyeing technol. (Siropint for achieving Vigoureux effects on wool, Cibafast W UV absorber for reducing actinic degradn., and Lanalux microemulsion silicone for imparting a soft handle and preventing hardening of shrink-resist top) are reviewed with 5 refs.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (UV absorbers, wool textile dyeing in presence of)
 RN 134191-44-9 CAPLUS

L15 ANSWER 24 OF 40 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:249193 CAPLUS
 DOCUMENT NUMBER: 114:249193
 TITLE: New developments in wool dyeing
 AUTHOR(S): Benisek, L.; Duffield, P. A.; Holt, R. R. D.; Rushforth, M. A.
 CORPORATE SOURCE: IWS Dev. Cent., Ilkley/West Yorkshire, LS29 8PB, UK
 SOURCE: Schriftenreihe des Deutschen Wollforschungsinstitutes (Technische Hochschule Aachen) (1990), 105(Aachener Textiltag., 1989), 263-85
 CODEN: DWTSDZ; ISSN: 0170-6322
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Three new developments in wool dyeing, i.e., Cibafast W, a new benzotriazole deriv. UV absorber for wool, Lanalux, a microemulsion silicone to impart soft handle and prevent hardening of shrink-resist tops in dyeing, and Siropint, a new system for producing Vigoureux printed effects on top, are discussed.
 IT 134191-44-9, Cibafast W
 RL: USES (Uses)
 (UV absorbers, for wool)
 RN 134191-44-9 CAPLUS

L15 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:181347 CAPLUS
 DOCUMENT NUMBER: 112:181347
 TITLE: Light stabilizers preventing the yellowing of
 polyamide fibers finished with stainproofing agents
 INVENTOR(S): Reinert, Gerhard; Binz, Joerg
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 345212	A1	19891206	EP 1989-810304	19890424
US 4964871	A	19901023	US 1989-342926	19890425
DK 8902174	A	19891105	DK 1989-2174	19890503
AU 8933980	A1	19891109	AU 1989-33980	19890503
AU 612025	B2	19910627		
ZA 8903264	A	19891227	ZA 1989-3264	19890503
			CH 1989-1666	19880504

PRIORITY APPLN. INFO.: CH 1989-1666 19880504

OTHER SOURCE(S): MARPAT 112:181347

AB Yellowing of soilproofed polyamide fibers is prevented by treating the fibers with H₂O-sol. light stabilizers before, during, and after soilproofing. Undyed nylon 66 carpets with polypropylene backings were heated in an aq. soln. of PhSO₃H-(HOC₆H₄)₂SO₂-HCHO condensate 2, 80% AcOH 2, HgSO₄.cntdot.7H₂O 1, and 2-(2-hydroxy-4-methoxy-5-sulfophenyl)-4,6-diphenyl-1,3,5-triazine (I) 0.75% at 75.degree. for 20 min to give carpets which were not colored by a soln. of FD and C Red 40 and showed no yellowing after 60 min accelerated UV testing; vs. distinct yellowing in the absence of I.

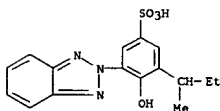
IT 92484-48-5

RL: USES (Uses)

(light stabilizers, for stainproofing of polyamide fibers)

RN 92484-48-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:160752 CAPLUS
 DOCUMENT NUMBER: 112:160752
 TITLE: Jet-printing inks and recording method
 INVENTOR(S): Suzuki, Eiichi
 PATENT ASSIGNEE(S): Canon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01210477	A2	19890824	JP 1988-35107	19880219

AB The title inks comprise .beta.-cyclodextrin (I) and water-sol. UV absorbers in addn. to image-forming recording agents and liq. mediums which dissolve or disperse the recording agents. Thus, C.I. Acid Red 37 2.0, distd. water 51.0, diethylene glycol 30.0, polyethylene glycol 10.0, N-methyl-2-pyrrolidone 5.0, and UV absorber I were mixed to give an ink. When the ink was applied to jet printing, light-resistant image was obtained.

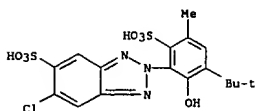
IT 125400-05-7 126346-97-2

RL: USES (Uses)

(UV absorbers, jet-printing inks contg., light-resistant)

RN 125400-05-7 CAPLUS

CN 2H-Benzotriazole-5-sulfonic acid, 6-chloro-2-[3-(1,1-dimethylethyl)-2-hydroxy-5-methyl-6-sulfophenyl]-, disodium salt (9CI) (CA INDEX NAME)



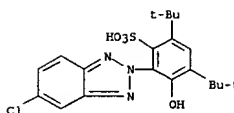
●2 Na

RN 126346-97-2 CAPLUS

CN Benzenesulfonic acid, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-3-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)

L15 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)

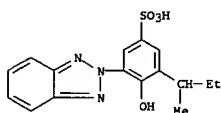


● Na

L15 ANSWER 27 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1989:594773 CAPLUS
 DOCUMENT NUMBER: 111:194773
 TITLE: Preparation of 3-[2H-benzotriazol-2-yl]-4-hydroxybenzenesulfonate salts as photochemical stabilizers for fibers
 INVENTOR(S): Burdeska, Kurt; Goettel, Otto Richard
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 5 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 314620	A1	19890503	EP 1988-810714	19881019
R: CH, DE, ES, FR, GB, IT, LI				
US 4937349	A	19900626	US 1988-259565	19881019
BR 1805528	A	19890704	BR 1988-5528	19881027
JP 01149777	A2	19890612	JP 1988-271098	19881028
JP 05036438	B4	19930531		

PRIORITY APPLN. INFO.: CH 1987-4230 19871029
 OTHER SOURCE(S): MARPAT 111:194773
 AB The title compds. (I; R = H, Cl; R1 = Cl-12 alkyl, phenylalkyl; M = Na, K), useful as photochem. stabilizers for natural and synthetic fibers, were prepd. Thus, 2-(2-hydroxy-3-sec-butyl-5-tert-butylphenyl)benzotriazole was added to 25% oleum over 1 h. The mixt. was stirred 16 h at room temp., ice water was added, and the resulting sulfonic acid was stirred with 30% NaOH to give 90.4% I (R = H, R1 = sec-Bu, M = Na).
 IT 123501-65-5P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. and sodium salt formation of, in prepn. of photochem. stabilizer for fibers)
 RN 123501-65-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

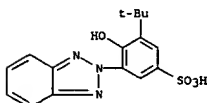


IT 92484-48-5P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of, as photostabilizer for fibers)
 RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 28 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1989:576097 CAPLUS
 DOCUMENT NUMBER: 111:176097
 TITLE: Process for quenching or suppressing the fluorescence of optically brightened substrates
 INVENTOR(S): Reinert, Gerhard; Burdeska, Kurt
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

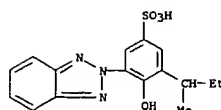
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 310083	A1	19890405	EP 1988-116113	19880929
EP 310083	B1	19930113		
R: CH, DE, FR, GB, LI				
US 4950304	A	19900821	US 1988-248076	19880923
JP 01124682	A2	19890517	JP 1988-244695	19880930

PRIORITY APPLN. INFO.: CH 1987-3856 19871002
 OTHER SOURCE(S): MARPAT 111:176097
 AB The fluorescence of natural of synthetic polyamide fibers treated with fluorescent brighteners is quenched or suppressed by treating the polyamide, before or after application of the fluorescent brighteners, with a sulfonated UV absorber (I; R = H, halogen, Cl-12 alkyl, C5-6 cycloalkyl, C7-9 phenylalkyl, SO3H; R1 = Cl-4 alkyl, Cl-4 alkoxy, halogen, OH, SO3H; R2 = H, Cl-12 alkyl, Cl-4 alkoxy, Ph, Cl-8 alkylphenyl, C5-6 cycloalkyl, C2-9 alkoxy, carbonyl, halogen, carboxy Cl-4 alkyl, C2-9 phenylalkyl, SO3H; R3 = R4, R5; R6 = H, halogen, Cl-4 alkyl, Cl-4 alkoxy, C2-9 alkoxy, carbonyl, CO2H, SO3H; R7 = H, halogen; R8, R9 = Cl-4 alkyl, Cl-4 alkoxy, C5-6 cycloalkyl, Ph, substituted Ph) and fixing. A nylon tricot was dyed with a green anthraquinone dye in the absence and presence of (I; R = H, R1 = MeO, R2 = NaO3S, R3 = R5, R8 = R9 = Ph; II) and washed with 2 detergents contg. fluorescent whitener. The unwashed tricot had a greenish turquoise shade and when fabric dyed in the absence of II was washed it had a reddish turquoise shade with strong fluorescence. There was no shade change or fluorescence when the fabric was dyed in the presence of II.
 IT 59261-49-3 92484-48-5 123373-62-6
 RL: USES (Uses)
 (UV absorber, for fluorescent brightener on polyamide fibers)
 RN 59261-49-3 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

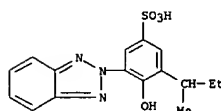
L15 ANSWER 27 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

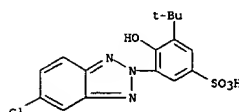
L15 ANSWER 28 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 123373-62-6 CAPLUS
 CN Benzenesulfonic acid, 3-(5-chloro-2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



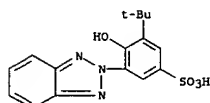
● Na

L15 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:456513 CAPLUS
DOCUMENT NUMBER: 109:56513
TITLE: Process for the photochemical stabilization of a fibrous polyamide material and its mixtures with other fibers
INVENTOR(S): Reinert, Gerhard
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 255481	A1	19880203	EP 1987-810415	19870723
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
US 4874391	A	19891017	US 1987-75805	19870720
DK 8703934	A	19880130	DK 1987-3934	19870728
AU 8776182	A1	19880204	AU 1987-76182	19870728
AU 604730	B2	19910103		
BR 8703897	A	19880405	BR 1987-3897	19870728
JP 63046262	A2	19880227	JP 1987-187883	19870729
JP 03064554	B4	19911007		

PRIORITY APPLN. INFO.: MARPAT 109:56513 CH 1986-3034 19860729

OTHER SOURCE(S):
AB The lightfastness and tear strength of polyamide fibers are increased by treating them with mixts. of H₂O-sol. Cu complex dyes, light stabilizers, and, optionally, antioxidants. A nylon 66 fabric dyed in a bath contg. 1 g/L (NH₄)₂SO₄, 0.043% 1:2 Cr-azo dye complex, and 0.063% 1:1 Cu azo dye complex had lightfastness (DIN 75.202) 6 and tenacity and elongation after lightfastness testing (150 h) 30.5 and 45.6%, resp., vs. 6, 9.0, and 14.7, resp., when dyed with Co complex dyes only.
IT 59261-49-3
RL: USES (Uses)
(light stabilizers, for polyamide fibers in dyeing)
RN 59261-49-3 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:133369 CAPLUS
DOCUMENT NUMBER: 108:133369
TITLE: Process for the photochemical stabilization of undyed and dyed fibrous polyamide material and its mixture with other fibers
INVENTOR(S): Reinert, Gerhard; Burdeska, Kurt
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 49 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

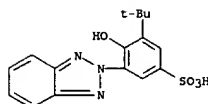
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 245204	A1	19871111	EP 1987-810272	19870429
EP 245204	B1	19930804		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, SE				
US 4775386	A	19881004	US 1987-42771	19870427
AT 92552	E	19930815	AT 1987-810272	19870429
ES 2058136	T3	19941101	ES 1987-810272	19870429
AU 8772472	A1	19871112	AU 1987-72472	19870504
AU 599649	B2	19900726		
ZA 8703171	A	19871230	ZA 1987-3171	19870504
BR 8702227	A	19880217	BR 1987-2227	19870504
JP 62267367	A2	19871120	JP 1987-110405	19870506
JP 04011589	B4	19920228		

PRIORITY APPLN. INFO.: CH 1986-1826 19860505
CH 1986-5057 19861218
EP 1987-810272 19870429

AB In the title process, giving improved fastness and tenacity, the fibers are treated with mixts. of org. Cu complexes, light stabilizers, and optionally antioxidants. Nylon 66 staple yarn dyed olive-green in a dyebath contg. 0.04% (based on yarn) 1:1 Cu complex with the 2:1 imine of salicylaldehyde with ethylenediamine and 1% 2-benzotriazol-2-yl-4-methylphenol had Xenotest lightfastness (Swiss std. SN-ISO 105-B02) 7 and tenacity retention 71.2 and elongation retention 61.3% after 750 h Xenotest exposure; vs. 7, 64.5, and 56.7, resp., without the chelate, 6-7, 69.4, and 64.2, resp., without the phenol, and 6-7, 49.7, and 51.2, resp., with neither.
IT 59261-49-3
RL: USES (Uses)
(light stabilizers, for dyed and undyed polyamide fibers)
RN 59261-49-3 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)

L15 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

L15 ANSWER 31 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1987:408796 CAPLUS
 DOCUMENT NUMBER: 107:4796
 TITLE: Photoprotective agents for wool - synergism between UV absorbers and antioxidants
 AUTHOR(S): Carr, C. M.; Leaver, I. H.
 CORPORATE SOURCE: Div. Protein Chem., CSIRO, Parkville, 3052, Australia
 SOURCE: Journal of Applied Polymer Science (1987), 33(6), 2087-95
 CODEN: JAPNAB; ISSN: 0021-8995

DOCUMENT TYPE: Journal
 LANGUAGE: English

AB Several antioxidants alone, and in combination with sulfonated UV absorbers, were evaluated as photoprotective agents for wool. Mixts. of phenolic antioxidants and sulfonated UV absorbers of the 2-hydroxyphenylbenzotriazole class exhibited synergistic behavior; the most effective UV absorber also gave the strongest synergistic effect with the antioxidants. Of the systems studied, the hindered phenol, Irganox 1425 [calcium bis(ethyl-(3,5-di-tert-butyl-4-hydroxybenzyl)phosphonate)], when used in conjunction with a sterically hindered benzotriazolesulfonate, afforded wool the best protection against photofading and phototendering in sunlight, behind window glass. Sulfonated derivs. of hindered phenols acted synergistically with UV absorbers when treated fabrics were exposed to an artificial light source, but not when fabrics were exposed to sunlight through glass.

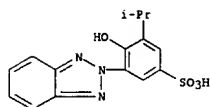
IT 92484-47-4

RL: USES (Uses)

(UV stabilizers, synergism between antioxidants and , in wool textiles)

RN 92484-47-4 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylethyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1986:462080 CAPLUS
 DOCUMENT NUMBER: 105:62080
 TITLE: Photostabilization of wool by means of 2-(2'-hydroxyaryl)-2H-benzotriazolesulfonates
 AUTHOR(S): Evans, N. A.; Rosevear, J.; Waters, P. J.; Wilshire, J. F. K.
 CORPORATE SOURCE: Div. Prot. Chem., CSIRO, Parkville, 3052, Australia
 SOURCE: Proc. Int. Wool Text. Res. Conf., 7th (1985), Volume 4, 41-9. Editor(s): Sakamoto, Munenori. Soc. Fiber Sci. Technol., Jpn.: Tokyo, Japan.
 CODEN: 55BQAH

DOCUMENT TYPE: Conference
 LANGUAGE: English

AB Fourteen 2-(2-hydroxyaryl)-2H-benzotriazolesulfonates were evaluated as UV absorbers for photostabilization of wool textiles. The protective effect was dependent on the nature and the position of the substituents attached to the arom. rings. The presence of bulky substituents located ortho to the phenolic hydroxy group was particularly effective. Photoprotection depended on concn. of the additive and pH at which it was applied.

IT 59261-49-3 92484-44-1 92484-45-2

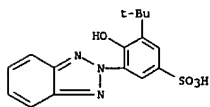
92484-46-3 92484-47-4 92484-48-5

RL: MOA (Modifier or additive use); USES (Uses)

(light stabilizers, for wool)

RN 59261-49-3 CAPLUS

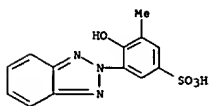
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 92484-44-1 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-methyl-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L15 ANSWER 32 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1986:480527 CAPLUS
 DOCUMENT NUMBER: 105:40527
 TITLE: Mechanistic study of benzotriazole UV absorbers as photoprotective agents for wool
 AUTHOR(S): Carr, Christopher M.; Leaver, Ian H.; Wilshire, John F. K.
 CORPORATE SOURCE: Div. Prot. Chem., CSIRO, Parkville, 3052, Australia
 SOURCE: Proc. Int. Wool Text. Res. Conf., 7th (1985), Volume 4, 50-9. Editor(s): Sakamoto, Munenori. Soc. Fiber Sci. Technol., Jpn.: Tokyo, Japan.
 CODEN: 55BQAH

DOCUMENT TYPE: Conference

LANGUAGE: English

AB

2-(2-Hydroxy-5-methyl-3-sulfonylphenyl)benzotriazole Na salt (I) [86677-59-0], 2-(2-Hydroxy-3-isopropyl-5-sulfonylphenyl)benzotriazole Na salt (II) [92484-47-4] and 2-(3-tert-butyl-2-hydroxy-5-methylphenyl)-5-sulfonylbenzotriazole Na salt (III) [92484-54-3] were evaluated, alone and in presence of antioxidants, as light stabilizers for wool in artificial and natural sunlight. II and III gave the strongest absorptions and II had the most desirable absorption properties since it absorbed strongly in the 300-360 nm region. All 3 benzotriazoles gave excellent protection against photofading, with the protective effect of II intermediate between that of I and III. III performed slightly better at high concns. and gave almost complete protection at 5% concn. The protective effect of the sulfonated benzotriazoles depended strongly on the polarity of the substrate. Irganox 1425 (IV) [65140-91-2] and 4-sulfonylphenyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate Na salt [103593-46-0] both functioned synergistically with II and III to reduce photofading. IV also gave enhanced protection against phototendering. III and IV gave the best protection against photofading in sunlight, while II showed no synergism in sunlight.

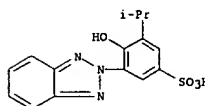
IT 92484-47-4

RL: USES (Uses)

(UV absorbers, photoprotection of wool in relation to)

RN 92484-47-4 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylethyl)-, monosodium salt (9CI) (CA INDEX NAME)

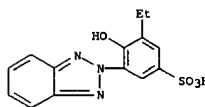


● Na

L15 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 92484-45-2 CAPLUS

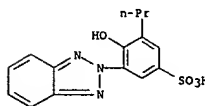
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-ethyl-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 92484-46-3 CAPLUS

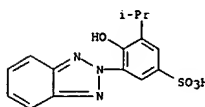
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-propyl-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 92484-47-4 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylethyl)-, monosodium salt (9CI) (CA INDEX NAME)

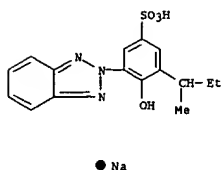


● Na

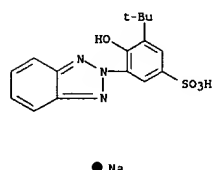
RN 92484-48-5 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-

L15 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)
methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

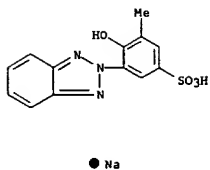


L15 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1986:425738 CAPLUS
DOCUMENT NUMBER: 105:25738
TITLE: Photoprotection of wool with sulfonated 2-(2'-hydroxyaryl)-2H-benzotriazoles
AUTHOR(S): Evans, N. A.; Rosevear, J.; Waters, P. J.; Wileshire, J. F. K.
CORPORATE SOURCE: Div. Prot. Chem., CSIRO, Parkville, 3052, Australia
SOURCE: Polymer Degradation and Stability (1986), 14(3), 263-84
CODEN: PDSTDH; ISSN: 0141-3910
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A range of phenolic benzotriazolesulfonic acids contg. a wide variety of substituents was synthesized. These compds. protect wool to a significant extent against photo-tendering and, in some cases, against photo-yellowing. The protective effect is dependent on the nature and position of the substituents and is enhanced by (1) locating the sulfonic acid group distant from the H-bonded phenolic group and (2) placing bulky alkyl groups ortho to this phenolic group. The protective effect of 1 of the best photostabilizers Na 2-(3-tert-butyl-2-hydroxy-5-methylphenyl)-2H-benzotriazole-5-sulfonate [92484-54-3], was studied in detail and depended on both the concn. of the photostabilizer and the pH at which it is applied. These photostabilizer also protected dyed wool to some extent against photo-fading as well as against photo-tendering.
IT 59261-49-3 92484-44-1 92484-45-2
92484-46-3 92484-47-4 92484-48-5
92484-49-6 92484-51-0
RL: USES (Uses)
(light stabilizer, for wool)
RN 59261-49-3 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)

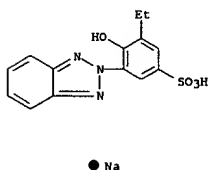


RN 92484-44-1 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-methyl-, monosodium salt (9CI) (CA INDEX NAME)

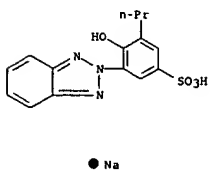
L15 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 92484-45-2 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-ethyl-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)

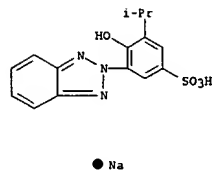


RN 92484-46-3 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-propyl-, monosodium salt (9CI) (CA INDEX NAME)

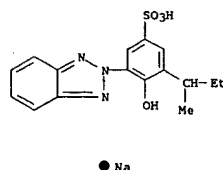


RN 92484-47-4 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylethyl)-, monosodium salt (9CI) (CA INDEX NAME)

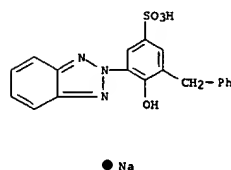
L15 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 92484-48-5 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)

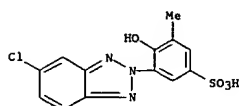


RN 92484-49-6 CAPLUS
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(phenylmethyl)-, monosodium salt (9CI) (CA INDEX NAME)



RN 92484-51-0 CAPLUS
CN Benzenesulfonic acid, 3-(5-chloro-2H-benzotriazol-2-yl)-4-hydroxy-5-methyl-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

L15 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2002 ACS

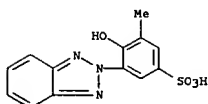
ACCESSION NUMBER: 1984:572968 CAPLUS
 DOCUMENT NUMBER: 101:172968
 TITLE: Use of substituted 2-(2'-hydroxyaryl)-2H-benzotriazolesulfonates as photostabilizing agents for natural and synthetic fibers
 INVENTOR(S): Evans, Neil Albert; Leaver, Ian Hamilton; Rosevear, Judi; Waters, Peter John; Wilshire, John Francis Kelley
 PATENT ASSIGNEE(S): Commonwealth Scientific and Industrial Research Organization, Australia
 SOURCE: PCT Int. Appl., 23 pp.
 DOCUMENT TYPE: CODEN: PIXX02
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8402365	A1	19840621	WO 1983-AU179	19831206
W: AU, JP, US				
AU 8322670	A1	19840705	AU 1983-22670	19831206
AU 568110	B2	19871217		
JP 60500137	T2	19850131	JP 1983-503808	19831206
JP 07018087	B4	19950301		
EP 112120	A2	19840627	EP 1983-307443	19831207
EP 112120	A3	19860129		
EP 112120	B1	19891025		
R: BE, CH, DE, FR, GB, IT, LI, NL				
US 4668235	A	19870526	US 1984-643963	19840807
US 4770667	A	19880913	US 1987-26737	19870317
PRIORITY APPLN. INFO.:				
			AU 1982-7151	19821207
			WO 1983-AU179	19831206
			US 1984-643963	19840807

AB The title agents were effective light stabilizers for textiles, particularly wool, silk, and nylon and their effectiveness was dependent on the position of the sulfo group in the mol., the pH of application, the bulkiness of other substituents, and the length of alkyl substituents. Thus, 2-(2H-benzotriazol-2-yl)-4-tert-butylphenol [3147-76-0] was sulfonated with chlorosulfonic acid to give Na 3-(2H-benzotriazol-2-yl)-5-tert-butyl-2-hydroxybenzenesulfonate (I) [92484-40-7]. Wool fabric was treated with an aq. bath contg. 1.5, H2O4 3, and Na2SO4 5% on wt. of fiber for 90 min at 80.degree. to give a fabric with breaking load 37.8 and 19.0 lb before and after irradiation at 20 cm from a Hg-W phosphor lamp for 2000 h compared with 34.0 and 4.7 lbs, resp. for an untreated fabric.

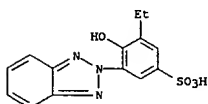
IT 92484-44-1 92484-45-2 92484-46-3
 92484-47-4 92484-48-5 92484-49-6
 92484-51-0
 RL: USES (Uses)
 (light stabilizers, for textiles)
 RN 92484-44-1 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-methyl-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



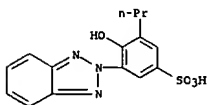
● Na

RN 92484-45-2 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-ethyl-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

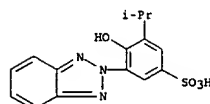
RN 92484-46-3 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-propyl-, monosodium salt (9CI) (CA INDEX NAME)



● Na

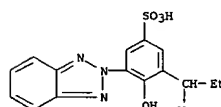
RN 92484-47-4 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylethyl)-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



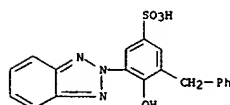
● Na

RN 92484-48-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

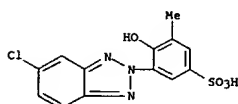
RN 92484-49-6 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(phenylmethyl)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 92484-51-0 CAPLUS
 CN Benzenesulfonic acid, 3-(5-chloro-2H-benzotriazol-2-yl)-4-hydroxy-5-methyl-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

L15 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1983:446047 CAPLUS
 DOCUMENT NUMBER: 99:46047
 TITLE: Pressure-sensitive recording material
 INVENTOR(S): Qualitz, Marion; Krupp, Viktor A.
 PATENT ASSIGNEE(S): Spezial-Papiermaschinenfabrik August Alfred Krupp
 G.m.b.H. und Co., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 44 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3111904	A1	19821104	DE 1981-3111904	19810326

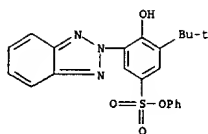
AB Pressure-sensitive copying sheets or bands giving copies with improved sharpness, color, and stability consist of a unit with a layer contg. a known dye precursor in a special binder-plasticizer combination and a unit with a layer contg. a dye acceptor. Esp. useful as the binder material are synthetic polymers with a mol. wt. of 200,000 to 400,000 and a heat resistance to at least 80.degree.. Thus, a paper band was coated on the CF side with a soln. contg. iso-PrOAc 40, MeCOEt 20, poly(vinyl acetate) 30, stilbenyl-naphthotriazole 0.5, bis(2-ethylhexyl) isophthalate 4.5, crystal violet lactone 4, and Rhodamine B lactam 1% at 1.5 g/m2 and then combined with a paper band coated on the CB side with a compn. contg. a compressor oil [kinematic viscosity at 40.degree. of 1.06 .times. 10-4 cm2 s-1 (.+-10%)] 3, a compressor oil [kinematic viscosity at 40.degree. of 9.8 .times. 10-5 m2 s-1 (.+-10%)] 3, paraffin-contg. low-pressure polyethylene 50, microwax 20, soft paraffin 10, Na 2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5-sulfonate 5, 2-(2'-hydroxy-3'-tert-butyl-5'-heptyloxyphenyl)benzotriazole 3, pentaerythritol .beta.-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 2, [2,2'-thiobis(4-tert-hexylphenolato)]cyclohexylaminecobalt(II) 2, and [1-phenyl-3-methyl-4-propoxy pyrazolate(5)]2copper(II) 2 parts at 4 g/m2. Upon imaging with a ball-point pen or in a typewriter, photocopyable violet characters with strikingly good sharpness and high brilliance were obtained.

IT 85298-87-9
 RL: USES (Uses)
 (pressure-sensitive copying paper with dye receptor layers contg.)

RN 85298-87-9 CAPLUS

CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, phenyl ester, sodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



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L15 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1982:208445 CAPLUS
 DOCUMENT NUMBER: 96:208445
 TITLE: Pressure-sensitive recording material with improved stability, fading resistance and heat resistance
 INVENTOR(S): Qualitz, Marion; Krupp, Viktor A.
 PATENT ASSIGNEE(S): Spezial - Papiermaschinenfabrik August Alfred Krupp
 G.m.b.H. und Co., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 35 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3009806	A1	19810924	DE 1980-3009806	19800314
DE 3009806	C2	19830825		
EP 36117	A2	19810923	EP 1981-101430	19810227
EP 36117	A3	19811104		
EP 36117	B1	19860205		
R: AT, BE, CH, FR, GB, IT, LU, NL, SE				
AT 17831	E	19860215	AT 1981-101430	19810227
AU 8168078	A1	19810917	AU 1981-68078	19810304
AU 542008	B2	19850131		
US 4379721	A	19830412	US 1981-241523	19810309
DK 8101159	A	19810915	DK 1981-1159	19810313
DK 152185	B	19880208		
DK 152185	C	19880711		
JP 56154085	A2	19811128	JP 1981-35479	19810313
PRIORITY APPLN. INFO.:			DE 1980-3009754	19800314
			DE 1980-3009806	19800314
			EP 1981-101430	19810227

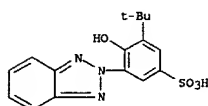
AB Pressure-sensitive copying materials with improved layer stability, light resistance, and heat resistance contain dye acceptor materials contg. an intimate mixt. of a hydroxyflavone and .alpha. substituted benzotriazole in an inert waxy binder and, if necessary, a sterically hindered phenol and a metal complex of a 2-hydroxyphenyl sulfide deriv. In addn. a benzodiazepine-2-acrylamide deriv can also be added. Thus, a typical compn. for prep. a receptor sheet for a pressure-sensitive copying material contained compressor oil ISOVG 106 3, compressor oil ISOVG 98 3, a paraffin-contg. low pressure polyethylene 50, a microcryst. wax 20, a soft paraffin 10, 3',4',5',7-tetrahydroxyflavone 7, 2-(2'-hydroxy-3'-tert-butyl-5'-heptyloxyphenyl) benzotriazole 3, .beta.-(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid ester of pentaerythritol 2, and [2,2'-thiobis(4-tert-hexylphenolato)]cyclohexylamine Co(II) 2 parts.

IT 59261-49-3 80988-18-7
 RL: USES (Uses)
 (pressure-sensitive copying paper contg., for improved stability)

RN 59261-49-3 CAPLUS

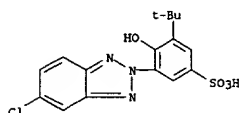
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

RN 80988-18-7 CAPLUS
 CN Benzenesulfonic acid, 3-(5-chloro-2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy- (9CI) (CA INDEX NAME)



L15 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1982:208444 CAPLUS
 DOCUMENT NUMBER: 96:208444
 TITLE: Pressure-sensitive recording material
 INVENTOR(S): Qualitz, Marion; Krupp, Viktor A.
 PATENT ASSIGNEE(S): Spezial-Papiermaschinenfabrik August Alfred Krupp G.m.b.H. und Co., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 55 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3009754	A1	19810924	DE 1980-3009754	19800314
DE 3009754	C2	19820708		
EP 36117	A2	19810923	EP 1981-101430	19810227
EP 36117	A3	19811104		
EP 36117	B1	19860205		
R: AT, BE, CH, FR, GB, IT, LU, NL, SE				
AT 17831	E	19860215	AT 1981-101430	19810227
AU 8168078	A1	19810917	AU 1981-68078	19810304
AU 542008	B2	19850131		
US 4379721	A	19830412	US 1981-241523	19810309
DK 8101159	A	19810915	DK 1981-1159	19810313
DK 152185	B	19880208		
DK 152185	C	19880711		
JP 56154085	A2	19811128	JP 1981-35479	19810313
PRIORITY APPLN. INFO.:			DE 1980-3009754	19800314
			DE 1980-3009806	19800314
			EP 1981-101430	19810227

AB Pressure-sensitive copying materials with improved layer stability, light resistance, and heat resistance contain dye acceptor materials consisting of an intimate mixt. of a 2-hydroxybenzophenone deriv. or an anthraquinone deriv. or 4-hydroxybenzanthrone and a substituted benzotriazole in an inert waxy binder. In addn. a sterically hindered phenol or a 2-hydroxyphenyl sulfide metal complex or a benzodiazine deriv. can also be added. Thus, a typical dye acceptor compn. contained compressor oil ISOVG 106 3, compressor oil ISOVG 98 3, a paraffin-contg. low-pressure polyethylene 50, a microcryst. wax 20, a soft paraffin 10, Na 2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5-sulfonate 5, 2-(2'-hydroxy-3'-tert-butyl-5'-heptyloxybenzotriazole 3, .beta.-(3,5-di-tert-butyl-4'-hydroxyphenyl)propionic acid ester of pentaerythritol 2, [2,2'-thiobis(4-tert-hexylphenolato)]cyclohexylaminocobalt(II) 2, and bis[1-phenyl-3-methyl-4-propoxy-5-pyrazolato]copper(II) 2 parts.

IT 59261-49-3 80988-18-7

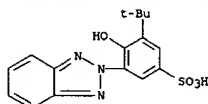
RL: USES (Uses)

(pressure-sensitive copying paper with dye acceptor layers contg., for improved stability)

RN 59261-49-3 CAPLUS

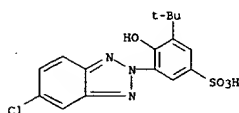
CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)

L15 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)



● Na

RN 80988-18-7 CAPLUS
 CN Benzenesulfonic acid, 3-(5-chloro-2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy- (9CI) (CA INDEX NAME)



L15 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1980:199198 CAPLUS
 DOCUMENT NUMBER: 92:199198
 TITLE: Deactivation of electron excitation in molecules of light stabilizers - 2-(2'-hydroxyphenyl)benzotriazole derivatives
 AUTHOR(S): Efimov, A. A.; Sivokhin, V. S.
 CORPORATE SOURCE: Nauchno-Issled. Inst. Khim. Polim. Mater., Tambov, USSR
 SOURCE: Dokl. Akad. Nauk SSSR (1980), 250(2), 387-90 [Phys. Chem.]
 CODEN: DANKAS; ISSN: 0002-3264
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

AB The relation between the luminescence and conformation of 2-(2'-hydroxyphenyl)benzotriazole(I) derivs. on energy level transition is examd. for their use as light stabilizers. The 2 luminescence bands consisting of high-frequency short-life fluorescence and low-frequency long-life phosphorescence were sepd. in the emission spectra of frozen solns. of I derivs. with the quantum yield of fluorescence lower by 1 order of magnitude than that of unsubstituted 2-phenylbenzotriazole [1916-72-9]. The absorption and emission of photo energy in I derivs. was used to explain their photostabilizing effect in polymers relating it to the quenching of the excited states due to internal conversions in the compd. mol. The transfer of protons in excited I derivs. lead to isomerization of a given portion of the mol. to the photochem. unstable quinoid structure which causes the yellowing of the I-stabilized polymer.

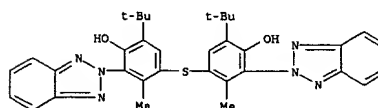
IT 73617-98-8

RL: PRP (Properties)

(energy level transition in, photostabilization mechanism in relation to)

RN 73617-98-8 CAPLUS

CN Phenol, 4,4'-thiobis[2-(2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-3-methyl- (9CI) (CA INDEX NAME)



L15 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1976:407190 CAPLUS
 DOCUMENT NUMBER: 85:7180
 TITLE: Dyeing of polyester fibers with acid dyes
 INVENTOR(S): Urakabe, Rintaro; Ohmori, Susumu; Watanabe, Kazuo
 PATENT ASSIGNEE(S): Toyobo Co., Ltd., Japan
 SOURCE: Japan., 5 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

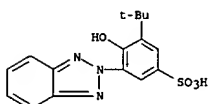
L15 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2002 ACS (Continued)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50010623	B4	19750423	JP 1971-41468	19710610

AB Dyeing fibers spun from blends of poly(ethylene terephthalate-isophthalate) (I) (9017-34-9) and terephthalic acid (II)-HOCH₂CH₂(CH₂OH)CH₂NBu₂ (III) copolymer (IV) [52826-04-7] or sebacic acid-H₂N(CH₂)₃N(CH₂)₃NH₂ copolymer [49692-59-3] with mixts. contg. an acid dye and V (R₁ = H or tert-Bu; R₂ = H or SO₃Na; R₃ = H or SO₃Na) or VI (R₄ = H or OH; R₅ = H or OMe) gave colored fibers with improved lightfastness. Thus, a mixt. of 83 parts II and 145 parts III was polycondensed 2 hr at 230.degree. and 0.1 mm to give IV. A blend contg. 373 parts I (contg. terephthalic acid units and isophthalic acid units at 9:1 mole ratio) and 26.6 parts IV was spun at 260.degree. and the spun fibers were drawn 400% at 90.degree. and heat-set at 160.degree.. The resulting fibers were immersed in an aq. mixt. (on fiber wt.) of 1% V (R₁ = R₂ = H; R₃ = SO₃Na) [59261-51-7] and 1% Suminol Milling Orange SG for 60 min at 130.degree. to give orange fibers with lightfastness rating (fadedometer: 20 hr) 5, compared with 3 for fibers dyed with a similar compn. without V.

IT 59261-49-3
 RL: USES (Uses)
 (carriers, for dyeing of polyester fibers with acid dyes, for improved lightfastness)

RN 59261-49-3 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, monosodium salt (9CI) (CA INDEX NAME)



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09/830,788

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L21 ANSWER 1 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:731483 CAPLUS
 DOCUMENT NUMBER: 127:360013
 TITLE: UV-absorbing composite powders and their manufacture
 INVENTOR(S): Kanamaru, Tetsuya; Fukui, Hiroshi
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09286928	A2	19971104	JP 1996-159584	19960620
PRIORITY APPLN. INFO.:			JP 1996-31048	19960219

AB Title powders, useful for coatings, cosmetics, and plastic moldings, are prepd. by dissolving UV absorbers in org. solvents, adding hydrophobic powders, adding water, and pptg. to form uniformly UV absorbent-coated powders. An acrylic coating contg. 2-(2-hydroxy-5-methylphenyl)benzotriazole-coated polysiloxane-treated TiO₂ powders showed good light resistance.

L21 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:618489 CAPLUS
 DOCUMENT NUMBER: 127:279323
 TITLE: UV-shield transparent composite base films, their laminates, and manufacture
 INVENTOR(S): Kurihara, Seiichi
 PATENT ASSIGNEE(S): Kuricon Kasei K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09239889	A2	19970916	JP 1996-75113	19960304

AB The composite base films are composed of (A) UV-shield layers of thermoplastic polymers contg. org. UV absorbers of concn. higher than the poly. at ordinary temp. and, on both sides of A, (B) 0-contg. thermoplastic resin layers, stored.1 of them being formed by co-extrusion with A, which inhibit bleeding of the UV absorbers. The base films are obtained by inflation or T-die molding. Via adhesives, the base films are laminated with polyolefin internal layers and/or external drawn layers of polypropylenes, polyamides or thermoplastic polyesters. Laminates are esp. suitable for packaging of foods, cosmetics, medicines, etc. Thus, a compn. contg. 100 parts of maleated LDPE and 3 parts of Tinuvin 326 was co-extruded and inflation-molded with nylon 6 (exterior) and ethylene-vinyl alc. copolymer (interior) to give a 3-layered film, which was further dry-laminated with LDPE and biaxially drawn poly(ethylene terephthalate) film on each side to give test pieces showing no blooming of the UV absorber after 1 yr, heat seal temp. 120.degree., UV transmittance 11, and visible light transmittance 85%.

L21 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:341986 CAPLUS
 DOCUMENT NUMBER: 127:36039
 TITLE: UV-absorbing polymer latices for coatings or adhesives
 INVENTOR(S): Razavi, Homaune A.
 PATENT ASSIGNEE(S): Monsanto Co., USA
 SOURCE: U.S., 14 pp., Cont.-in-part of U.S. Ser. No. 902,629.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5629365	A	19970513	US 1994-360828	19941221
WO 9400524	A1	19940106	WO 1993-US938	19930622

W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GM, MR, NE, SN, TD, TG
 PRIORITY APPLN. INFO.:

AB The aq. latices contain UV-absorbing polymer particles of having particle diam. <5 .mu.m and consisting of (I) homopolymers (A) of vinyl-functionalized monomers of benzotriazole or benzophenone, (II) copolymers (B) of the vinyl-functionalized monomers and .storeq.1 other vinyl monomer, (III) mixts. of A or B and plasticizers, (IV) mixts. of A or B and coalescing agents, or (V) mixts. of A or B, plasticizers, coalescing agents comprising volatile solvents for swelling the polymer and reducing the glass transition temp. of the polymer to <50.degree., crosslinking agents, and wetting agents comprising volatile C2-6 alkyl alcs. or nonvolatile nonionic or anionic surfactant to cause surface tension of the latices <45 dyne/cm², thickening agents to cause viscosity of the latices at 25.degree. >40 cP as measured using a Brookfield no. 1 spindle at 5 rpm, antioxidants, and/or radical scavengers. The latices are useful in providing clear thin coatings on windows, tags, labels, flooring, tents, awnings, containers and other UV-susceptible substrates and as UV stabilizers for polymers and as additives for ink formulations and sunscreen cosmetic compns. (no data). Glass plate was coated with 1:100:2 carboxyethyl acrylate-2-hydroxy-4-[(acryloyloxy)ethoxy]benzophenone-hydroxyethyl methacrylate copolymer to give a coating showing UV ray (300-350 nm) transmission <10%.

L21 ANSWER 4 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:100755 CAPLUS
 DOCUMENT NUMBER: 124:211510
 TITLE: UV-absorbing polymer particles, coated pigments, and sunscreen cosmetics containing the coated pigments
 INVENTOR(S): Toneyawa, Kazuo; Sato, Masahiro; Nishii, Akira
 PATENT ASSIGNEE(S): Soken Kagaku Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07291845	A2	19951107	JP 1994-92614	19940428

AB The UV-absorbing particles are made of polyene having a repeating unit derived from a reactive benzotriazole compd. I and a repeating unit derived from (meth)acrylic compds. and/or styrene-type compds. Extender pigments or pearly pigments coated with the above particles and cosmetics contg. the coated pigments are also claimed. The UV-absorbing benzotriazole structure is a part of the polymer itself and is not released from the particles. A compn. contg. an emulsifier, Me methacrylate, and 2-[2-hydroxy-5-(methacryloxyethyl)phenyl]-2H-benzotriazole was emulsified and heated under stirring at 73.degree. for 5 h to give polymer particles with av. particle size 1.0 .mu.m. Dissoln. rates of the particles in ester oil, silicone oil, and squalane were 0.1, 0.05, and 0.05 %, resp., vs. 7.0, 5.0, and 5.0%, resp., for a control polymer prepd. from Me methacrylate in the presence of 4-tert-butyl-4'-methoxydibenzoylmethane. A powdery foundation contg. mica coated with the UV-absorbing particles was prepd. The foundation had quiet gloss and showed good spread property compared with a control foundation contg. uncoated mica.

L21 ANSWER 5 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:82856 CAPLUS
 DOCUMENT NUMBER: 124:155692
 TITLE: Sunscreen cosmetics containing siloxanes having
 cinnamoyl group
 INVENTOR(S): Yoshida, Masashi; Umishio, Kenichi; Uehara, Keiichi
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07267842	A2	19951017	JP 1994-80884	19940328

AB The cosmetics contain silicone cinnamate derivs. having
 .gtoreq.1 structural unit I (R1 = C1-4 alkyl, Ph, OSiMe3; R2 = C.gtoreq.2
 hydrocarbon which may contain heteroatom O; X = alkoxy; n = 0-3; a =
 2-3) and optional O(4-m)/2SiR3m (R3 = C1-4 alkyl, Ph, OSiMe3; m = 0-3) and
 UV-absorbing agents and/or UV-scattering agents other
 than the above silicone cinnamate derivs. The cosmetics show
 high resistance to water and oil and effectively shield UV radiation.
 Decamethylcyclopentasiloxane 46.0, dimethylpolysiloxane 20.0,
 methylphenylpolysiloxane 20.0, silicones 8.0, 3,4,5-
 (MeO)3C6H2CH:CHCO2CHMeCH2CH2SiMe (OSiMe3)2 4.0, and octyl salicylate 2.0
 wt.% were mixed to give a sunscreen oil.

L21 ANSWER 6 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:38910 CAPLUS
 DOCUMENT NUMBER: 124:126893
 TITLE: Sunscreen cosmetics containing microcapsules
 of UV-absorbing agents
 INVENTOR(S): Okauchi, Kazuki; Mando, Ritsuo; Miura, Yoshiaki;
 Ishida, Katsuhiko
 PATENT ASSIGNEE(S): Shinoji Seishi Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07267841	A2	19951017	JP 1994-64210	19940331

AB In cosmetics contg. microencapsulated UV-
 absorbing agents, the UV-absorbing agents are
 liq. or amorphous, the wall material of the microcapsules is
 polyurea/polyurethane, particle size of the microcapsules is 0.1-10 .mu.m,
 and the microcapsule contain 20-95 wt.% of the wall material. The
 microcapsules effectively protect the skin against UV
 radiation-induced damage. A soln. contg. AcOEt, 2-(2-hydroxy-3-dodecyl-5-
 methylphenyl)benzotriazole (I) and Takenate D 110N was
 emulsified with an aq. soln. of PVA 217, and the dispersion obtained was
 treated with H2O under stirring to give microcapsules with av. particle
 size 1.2 .mu.m. A compn. contg. the microcapsules, emulsifiers, and oils
 was emulsified with an aq. phase contg. CMC, kaolin, etc. to give a
 sunscreen lotion. SPF value of the lotion was 6.0, vs. 5.5 for a control
 contg. no encapsulated I.

L21 ANSWER 7 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:922154 CAPLUS
 DOCUMENT NUMBER: 123:349849
 TITLE: Rinse-type UV-shielding hair cosmetics
 INVENTOR(S): Imaki, Yoriko; Miyamoto, Nobuo
 PATENT ASSIGNEE(S): Lion Corp, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07228510	A2	19950829	JP 1994-20514	19940217

AB The tittle hair cosmetics contain (A) UV
 absorbers, (B) esters of C.gtoreq.9 alcs. or alc. condensates with
 acids, (C) water-sol. polymers, and (D) cationic surfactants and/or
 mono-n-higher acyl basic amino acids lower alkyl ester salts. The hair
 cosmetics prevent UV-induced hair color changes and dry hair.
 Hair appeared soft after treatment. As an example, a hair rinse contained
 dihydroxybenzophenone 0.05, 4-tert-butyl-4'-methoxydibenzoylmethane 0.1,
 isostearyl myristate 1.0, XM 503LN 1.0, N-cocoyl-L-arginine ester
 Di-pyrrolidonecarboxylic acid salt 1.0, stearyl alc. 3.0, ethoxylated
 hydrogenated castor oil 1.0, propylene glycol 5.0, and H2O to 100 wt.%.

L21 ANSWER 8 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:789335 CAPLUS
 DOCUMENT NUMBER: 123:198806
 TITLE: Preparation of 2-(4-hydroxyphenyl)-2H-
 benzotriazole derivatives as UV
 absorbers for skin cosmetics
 INVENTOR(S): Yasuda, Heinosuke
 PATENT ASSIGNEE(S): Kemipuro Kasei Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07138240	A2	19950530	JP 1993-307362	19931112

OTHER SOURCE(S): MARPAT 123:198806
 AB The title compds. [I; n = 1,2; R1, R2 = H, alkyl, alkoxy, CO2H or metal
 salt, or ester thereof, halo; when n = 1, R3 = H, (un)satd. linear or
 branched alkyl, cycloalkyl, aralkyl, hydroxyalkyl, alkoxyalkyl,
 carboxyalkyl or metal salt thereof, alkoxyalkyl, alkoxyalkyl,
 cycloalkoxycarbonylalkyl, aralkyloxycarbonylalkyl, or O-contg. alkyl; when
 n = 2, R3 = (un)satd. linear or branched alkylene, cycloalkylene, alkylene
 contg. O, OH, and/or alkoxy, or alkoxyalkyloxalkylene], which are very
 stable against light, heat, and moisture, do not irritate skin,
 have sufficient soly. in a cosmetic base and very large
 UV absorbability, and protect skin against UV
 (280-400 nm), are prepd. A UV absorbing agent
 contains I as the active ingredient and a cosmetic contains I.
 Thus, 0.19 g NaOH was dissolved in 70 ml aq. NaOH, followed by successively
 adding 0.19 g 2-(4-hydroxyphenyl)-2H-benzotriazole and 0.78g
 n-BuBr, and the resulting mixt. was refluxed for 6 h to give 71% I (n = 1,
 R1 = R2 = H, R3 = Bu) (II). For sunburn test, an aq. soln. contg. 1.0
 part II was applied on the back of 10 male and 10 female panelists at a
 beach to give no redness on the skin of 18 panelists and slight
 redness on that of 2 panelists, resp., and no skin troubles such
 as itchiness and rash. A W/O-type sunscreen cream contg. II was
 formulated.

L21 ANSWER 9 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:42624 CAPLUS
 DOCUMENT NUMBER: 123:115174
 TITLE: Facts about the application of UV absorbers on textiles
 AUTHOR(S): Reinert, Gerhard; Schmidt, Erika; Hufiker, Rolf
 CORPORATE SOURCE: Basel, Switz.
 SOURCE: Melliand Textilberichte (1994), 75(7-8), 606, 608, 610, 612, 614
 CODEN: MTIRDL; ISSN: 0341-0781
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB The use of UV absorbers in protecting textiles from degrdn. by UV light and in blocking/reducing the harmful effects of sunlight (UV cutting) on human skin is discussed. The types of UV absorbers used in the textile industry and the methods used to apply the UV absorbers are described and the remission spectra of diverse fiber materials, e.g., wool, silk, polyester, polyacrylonitrile, and aramid fibers, finished with a no. of com. UV absorbers, e.g., Dicrylan PMC, Cibafast P, Cibafast W, Cibatek APS and Hombitec L5, are presented and discussed.

L21 ANSWER 10 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1994:417729 CAPLUS
 DOCUMENT NUMBER: 121:17729
 TITLE: Photostable filtering cosmetic composition containing a UV-A filter and a filtering polymer of the benzotriazole silicone type
 INVENTOR(S): Hansenne, Isabelle; Forestier, Serge; Deflandre, Andre
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9406404	A1	19940331	WO 1993-FR886	19930915
V: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2695560	A1	19940318	FR 1992-11099	19920917
FR 2695560	B1	19941104		
EP 660701	A1	19950705	EP 1993-920883	19930915
EP 660701	B1	19970611		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08504184	T2	19960507	JP 1993-507853	19930915
AU 678382	B2	19970529	AU 1993-48224	19930915
AT 154233	E	19970615	AT 1993-920883	19930915
ES 2102678	T3	19970801	ES 1993-920883	19930915
US 5618520	A	19970408	US 1995-382310	19950504
PRIORITY APPLN. INFO.:			FR 1992-11099	19920917
			WO 1993-FR886	19930915

AB A photostable, filtering cosmetic compn. for protecting human epidermis and hair against UV rays comprises, in a cosmetically acceptable carrier having at least one fatty phase, 0.5-4% by wt. of 4-(tert-butyl)-4'-methoxydibenzoylmethane (I) and 0.1-20% by wt. of a filtering polymer of the benzotriazole silicone type (Markush given), the wt. ratio of the benzotriazole silicone to I is 1-10. The benzotriazole silicone II was prepd. by reacting 3-allyl-2-hydroxy-5-methylphenylbenzotriazole with bis-(trimethylsiloxy)methylsilane in the presence of cyclovinylmethylsiloxane-Pt complex. Formulation examples are given.

L21 ANSWER 11 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:546359 CAPLUS
 DOCUMENT NUMBER: 119:146359
 TITLE: UV radiation-filtering silicone-based cosmetic oil
 INVENTOR(S): Forestier, Serge; Hansenne, Isabelle
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9310745	A2	19930610	WO 1992-FR1134	19921203
WO 9310745	A3	19930708		
W: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2684551	A1	19930611	FR 1991-15101	19911205
FR 2684551	B1	19950421		
AU 9340284	A1	19930628	AU 1993-40284	19921203
EP 570577	A1	19931124	EP 1993-902284	19921203
EP 570577	B1	19951115		
R: DE, ES, FR, GB, IT				
ES 2079961	T3	19960116	ES 1993-902284	19921203
PRIORITY APPLN. INFO.:			FR 1991-15101	19911205
			WO 1992-FR1134	19921203

AB A UV rays-filtering transparent and photostable cosmetic oil, with good tactile properties, comprises an organosiloxane UV filter and a silicone blend. The organosiloxane has benzylidene camphor, benzalmalonate, benzophenone or benzotriazole moieties. The silicone blend comprises a volatile silicone and a silicone oil (viscosity > 10-1 m2/s) or a silicone gum. A compn. comprised 2,6,3-(HO)MeO)BzC6H2(CH2)3SiMe(OSiMe3)2 6, decamethylcyclopentasiloxane 25.8, Q2-1401 54.2, Finsolv TN(C12-15 alc. benzoate) 7.9, sunflower oil 0.5, karite'-nut butter 0.5, vitamin E acetate 0.1, and water to 100 g.

L21 ANSWER 12 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:260700 CAPLUS
 DOCUMENT NUMBER: 118:260700
 TITLE: Sunscreen cosmetic composition comprising an ultraviolet filter hydrocarbon or siloxane polymer
 INVENTOR(S): Forestier, Serge; Hansenne, Isabelle
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9304665	A1	19930318	WO 1992-FR820	19920825
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
FR 2680683	A1	19930305	FR 1991-10730	19910829
FR 2680683	B1	19931112		
EP 601080	A1	19940615	EP 1992-919103	19920825
EP 601080	B1	19950726		
R: DE, ES, FR, GB, IT				
ES 2075714	T3	19951001	ES 1992-919103	19920825
PRIORITY APPLN. INFO.:			FR 1991-10730	19910829
			WO 1992-FR820	19920825

AB A sunscreen compn. comprises .gtoreq.1 liposol. hydrocarbon polymer and .gtoreq.1 siloxane polymer, both having UV absorbing groups. The ratio between the hydrocarbon polymer and siloxane is 0.1-5:0.2-2.5. A sunscreen emulsion contained polyacrylamide grafts with benzylidenecamphor 5, polydimethylsiloxane grafts with 4'-trimethyleneoxy-3-benzylidenecamphor 5, Sinnowax AO 7, glycerol distearate 2, Finsolv TN 2, Witco 15, polydimethylsiloxane 1.5, cetyl alc. 1.5, glycerin 20, preservatives and perfumes q.s. and water to 100 g.

L21 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:414231 CAPLUS
 DOCUMENT NUMBER: 117:14231
 TITLE: Benzotriazole- and benzophenone-group-contg.

siloxanes, their preparation, and cosmetic compositions containing them
 INVENTOR(S): Sakuta, Koji; Kuvata, Satoshi
 PATENT ASSIGNEE(S): Shin-Etsu Chemical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 28 pp.
 CODEN: EPXKDW

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 478284	A2	19920401	EP 1991-308703	19910924
EP 478284	A3	19920422		
EP 478284	B1	19951206		
R: DE, FR, GB				
JP 04132736	A2	19920507	JP 1990-254971	19900925
JP 2527093	B2	19960821		
US 5254542	A	19931019	US 1991-765305	19910925
PRIORITY APPLN. INFO.: JP 1990-254971 19900925				
AB The title siloxanes (Markush included) are provided for use in cosmetics with improved UV-absorbing capacity. 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole was sequentially reacted with NaOMe and allyl bromide, and the resulting allyl deriv. was further reacted with N,O-bis(trimethylsilyl)acetamide. The tri-Me silyl drive. was treated with trimethoxysilane, and the product was further reacted with Me Silicate 51 (a methoxy silane oligomer) and hexamethyldisiloxane to give a benzotriazole group-contg. siloxane. A similar prepn. using 2-hydroxy-4-methoxybenzophenone as an initial reactant is described. Sunscreen, lipstick, hair cream, eye shadow, etc. formulations including the prepd. compds. are presented.				

L21 ANSWER 14 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:633840 CAPLUS
 DOCUMENT NUMBER: 115:233840
 TITLE: Benzotriazole-type reactive UV absorbers
 INVENTOR(S): Minafuji, Mitsumasa; Nomura, Yutaka
 PATENT ASSIGNEE(S): Mitsubishi Petrochemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKOXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03139589	A2	19910613	JP 1989-274978	19891024
AB UV absorbers I (R1 = H, halo, C1-4 alkyl or alkoxy; R2 = C1-20 alkyl, aryl, aralkyl and R2 may contain O, N, S, or halo; n = 1-12) are useful for cosmetics, food, coatings, etc. Refluxing 11.4 g 2-(2,4-dihydroxyphenyl)-2H-benzotriazole in 150 mL PhMe, cooling to 85.degree., refluxing with 5.5 g 40% NaOH with concurrent removal of water, heating the resulting yellow solid with 0.7 g .gamma.-butyrolactone at 180-200.degree. for 6 h, stirring with 100 mL 10% NaOH, and adjusting pH to 3-4 with 10% HCl gave 4-[4-(2H-benzotriazol-2-yl)-3-hydroxyphenoxy]butanoic acid (II) with m.p. 184-180.degree.. Refluxing II 3.8, n-dodecanol 2.4, and p-toluenesulfonic acid hydrate 0.19 g in 50 mL PhMe while removing water azeotropically gave 4.3 g n-dodecyl 4-[4-(2H-benzotriazol-2-yl)-3-hydroxyphenoxy]butanoate with m.p. 68-70.degree. and .lambda.max 340 nm.				

L21 ANSWER 15 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:471144 CAPLUS
 DOCUMENT NUMBER: 115:71144
 TITLE: Preparation of p-phenylenediacrylic acid derivatives for ultraviolet absorbers
 INVENTOR(S): Onishi, Akiyoshi; Takahashi, Masami; Ishihara, Tomoko
 PATENT ASSIGNEE(S): Mitsubishi Petrochemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKOXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03038547	A2	19910219	JP 1989-173762	19890705
OTHER SOURCE(S): MARPAT 115:71144				
AB p-(R1O2CCH:CH)C6H4(CH:CHCO2R2) (I; R1, R2 = H, OH; R4 = H, OH, C1-18 alkyl, alkoxy; R5 = H, Cl), useful as UV absorbers for coatings, fibers, cosmetics, etc., were prepd. Thus, 10.9 g p-phenylenediacrylic acid was treated with 9.5 g SOCl2 in DMF to give p-phenylenediacryloyl chloride which (12.7 g) was treated by 21.4 g 2,4-dihydroxybenzophenone in Et2O in the presence of Et3N to give I (R1 = R2 = H, R3 = R4 = H) which in CH2Cl2 showed .lambda.max 331 nm, effective absorption band 280-350 nm, and mol. extinction coeff. of .lambda.max 71,000.				

L21 ANSWER 16 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:207270 CAPLUS
 DOCUMENT NUMBER: 114:207270
 TITLE: 5-Halo-2-(3-alkyl-2,4-dihydroxyphenyl) benzotriazoles as UV absorbers
 INVENTOR(S): Shimada, Akira; Hayashi, Nobuyuki
 PATENT ASSIGNEE(S): Yoshitomi Pharmaceutical Industries, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKOXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03002172	A2	19910108	JP 1990-26647	19900206
PRIORITY APPLN. INFO.: JP 1989-30388 19890209				
OTHER SOURCE(S): MARPAT 114:207270				
AB The title compds. I (R = lower alkyl; X = halo), useful as UV absorbers for polymers, latex, and cosmetics (no data), are prepd. An aq. NaNO2 soln. was added dropwise to 24.5 g 4-chloro-2-nitroaniline in an aq. HCl soln. at .ltoreq.10.degree. over 1 h and the reaction mixt. was further stirred for 30 min. Subsequently a MeOH soln. of 34.5 g 2-methylresorcinol was added dropwise to the above reaction mixt. at .ltoreq.10.degree. over 1 h and the reaction mixt. was further stirred for 1.5 h to give 75 g 2-[(4-chloro-2-nitrophenyl)azo]-6-methyl-1,3-dihydroxybenzene, 70 g of which in MeOH was treated with an aq. NaOH soln. and Zn at 60.degree. for 30 min to give 36 g I (R = Me, X = Cl).				

L21 ANSWER 17 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:578035 CAPLUS
 DOCUMENT NUMBER: 113:178035
 TITLE: Skin preparations containing vitamin A acid and UV absorbers
 INVENTOR(S): Sakamoto, Okihiko; Ozawa, Tatsuya
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02142713	A2	19900531	JP 1988-297959	19881125

AB Skin preps. contain vitamin A acid (I) and .gtoreq.1 UV absorbers. UV absorbers stabilize I, which is useful for treatment of keratosis and prevention of skin aging. Stearic acid 6.0, sorbitan monostearate 2.0, poly(oxyethylene) sorbitan monostearate 1.5, 2-(2'-hydroxy-5'-methylphenyl)benzotriazole (II) 8.0, propylene glycol 10.0, I 0.05, antiseptic agent, antioxidant, perfume, and H₂O to 100% by wt. were mixed to give a cream, which was irradiated under a Xe lamp for 20 min to show 89% residual I, vs. 5% for the control prep. without II.

L21 ANSWER 18 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:204435 CAPLUS
 DOCUMENT NUMBER: 112:204435
 TITLE: Determination of seven ultraviolet absorbers in cosmetics by high speed liquid chromatography
 AUTHOR(S): Saito, Emiko; Kijima, Keiji; Takeda, Mitsuharu
 CORPORATE SOURCE: Natl. Inst. Hyg. Sci., Tokyo, 158, Japan
 SOURCE: Eisei Shikensho Hokoku (1989), (107), 99-102
 CODEN: ESKHA5; ISSN: 0077-4715
 DOCUMENT TYPE: Journal
 LANGUAGE: Japanese

AB Detn. of UV absorbers in cosmetics was investigated by HPLC using a silica ODS column and UV detector at 284 and 310 nm. Mobile phases were MeCN-H₂O and MeOH-THF-H₂O-HClO₄. The linear calibration curves of seven UV absorbers were obtained at concn. range of 0-20 .mu.g/mL. The recovery for 0.1% addn. of UV absorbers was 93.2-100.0%. This method was available for the rapid and simple detn. of UV absorbers in com. cosmetic preps.

L21 ANSWER 19 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1989:498719 CAPLUS
 DOCUMENT NUMBER: 111:98719
 TITLE: Acrylonitrile polymer compositions for molded bottles with light-blocking capability
 INVENTOR(S): Mushiaki, Naohiko; Ninomya, Shunsuke; Iida, Hiroshi; Kushiida, Hideo
 PATENT ASSIGNEE(S): Sumika Color Co., Ltd., Japan; Yoshino Kogyosho Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01058650	A2	19890306	JP 1987-209709	19870824
JP 07064349	B4	19950712		

AB The title bottles (wall thickness 0.4-1.4 mm), useful for foods, cosmetics, carbonated beverages, etc., are prep. from acrylonitrile polymers contg. perinone red dyes 0.02-0.1, quinophthalone yellow dyes 0.06-0.3, anthraquinone green dyes 0.004-0.02, anthraquinone violet dyes 0.0008-0.004, and benzotriazoles (UV absorbers) 0.05-0.2%. Acrylonitrile-styrene copolymer contg. Solvent Red 135 0.05, Disperse Yellow 54 0.12, Solvent Green 3 0.01, Disperse Violet 28 0.002, Aldospere TS-40 (dispersant) 0.05, Santolite MHP 0.09, BHT 0.14, and 2-(2-hydroxy-3-tert-butyl-5-methylphenyl)-5-chlorobenzotriazole 0.1% was injection molded, irradiated with electrons, heated at 80-120.degree., and blow molded to give a bottle having light transmission 0.00, 0.00, and 0.00%, resp., at 370, 400, and 450 nm, haze 1.43%, and low O permeability, vs. 33.64, 50.48, 74.42, 1.41, and low, resp., without the dyes.

L21 ANSWER 20 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1988:118686 CAPLUS
 DOCUMENT NUMBER: 108:118686
 TITLE: Analysis of cosmetics containing UV absorbing agents
 AUTHOR(S): Ohshima, Takaji; Saito, Emiko
 CORPORATE SOURCE: Kokuritsu Eisei Shikenjo, Japan
 SOURCE: Gekkan Yakujii (1987), 29(12), 2477-82
 CODEN: YAKUD5; ISSN: 0016-5980
 DOCUMENT TYPE: Journal
 LANGUAGE: Japanese

AB Sunscreen oils and creams contg. group 1 [oxybenzone, 2-(2-hydroxy-5-methylphenyl)benzotriazole, and 2-ethylhexyl p-dimethylaminobenzoate] and group 2 (2,2',4,4'-tetrahydroxybenzophenone, cinoxate, etc.) UV-adsorbing agents were dissolved in THF, and the UV-adsorbing agents were detd. by HPLC, using MeCN-H₂O (70:30 for group 1 and 40:60 for group 2) as mobile phase and detection at 310 nm. The recovery for group 1 oils and creams was 99.8 and 99.0%, resp., and was 100.0 and 99.0%, resp., for group 2.

L21 ANSWER 21 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1987:219373 CAPLUS
DOCUMENT NUMBER: 106:219373
TITLE: Ultraviolet absorber-containing polyolefin particles for cosmetics
INVENTOR(S): Takagi, Shuji; Ohayashi, Shigeji; Araki, Hidekazu; Sugihara, Norihiro
PATENT ASSIGNEE(S): Seitetsu Kagaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62001729	A2	19870107	JP 1985-142336	19850627
JP 06049771	B4	19940629		

AB Spherical particles (<50 .mu.) are prep'd. from 100 parts polyolefin, such as polyethylene (I), and 1-50 parts UV absorber (e.g., benzophenones, benzotriazoles) by emulsification in water with heat and pressure in the presence of ethylene oxide-propylene oxide copolymer (II) and cooling to a temp. below the softening point of the polyolefin and are useful in sunburn-preventing cosmetics, etc.
Sumisorb 110 1.2, I (Sumikathene G807) 12, and II (Pluronic F108) 2.4 kg were used to prep. spherical particles having av. size 14.3 .mu..

L21 ANSWER 22 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:111632 CAPLUS
DOCUMENT NUMBER: 102:111632
TITLE: Indirect food additives; adjuvants, production aids, and sanitizers
CORPORATE SOURCE: United States Food and Drug Administration, Rockville, MD, 20857, USA
SOURCE: Federal Register (1984), 49(245), 49284-5, 19 Dec 1984
CODEN: FERFAC; ISSN: 0097-6326
DOCUMENT TYPE: Journal
LANGUAGE: English
AB 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole [2440-22-4] may be used at ltoreq.0.5% as an UV absorber in ethylene-1,4-cyclohexylene dimethylene terephthalate copolymer [95014-56-5] and in polyethylene terephthalate [25038-59-9] for food contact, under the Federal Food, Drug, and Cosmetic Act.

L21 ANSWER 23 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:155517 CAPLUS
DOCUMENT NUMBER: 84:155517
TITLE: Hydroxybenzotriazoles as ultraviolet light-absorbing agents
INVENTOR(S): Koga, Koichi; Kondo, Yutaka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan; Kyodo Chemical Co., Ltd.
SOURCE: Japan. Kokai, 8 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50159484	A2	19751224	JP 1974-68436	19740614
JP 57035221	B4	19820728		

AB 2-(2-Hydroxyphenyl)benzotriazoles (I) (R1, R2 = H, lower alkyl, lower alkoxy, or halogen; n = 3-20) were synthesized by known methods and showed uv-absorbing properties, esp. in the 310-80 m.mu. range. I stabilized org. compds. sensitive to light in various products such as cosmetics, drugs, foods, fibers etc., and are stable at temp. >350.degree.. Thus, a cosmetic contained white ceresin wax 5, white petrolatum 22, white mineral oil 19.5, anhyd. lanolin 1.5, I (R1 = R2 = H; 5-(CH2)18CO2H) [58912-34-8] 2, H2O 36, and perfume 0.5 part.

L21 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:155516 CAPLUS
DOCUMENT NUMBER: 84:155516
TITLE: Dihydroxyquinolinylbenzotriazoles as ultraviolet light-absorbing agents
INVENTOR(S): Koga, Koichi; Kondo, Yutaka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan; Kyodo Chemical Co., Ltd.
SOURCE: Japan. Kokai, 7 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50159483	A2	19751224	JP 1974-68435	19740614
JP 57036952	B4	19820806		

AB 2-(2,4-Dihydroxyquinolin-3-yl)benzotriazoles (I) (R1, R2 = H, lower alkyl, lower alkoxy, or halogen) with uv-absorbing properties were synthesized by known methods. The agents are uv light stabilizers in the prodn. of cosmetics, fibers, foods, drugs etc. Thus, a cosmetic contained white ceresin wax 5, white petrolatum 22, white mineral oil 19.5, anhyd. lanolin 1.5 I (R1 = H, R2 = 6-tert-butyl) [58912-28-0] 2, H2O 36 and perfume 0.5 parts.

L21 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:155515 CAPLUS
DOCUMENT NUMBER: 84:155515
TITLE: Benzotriazoles as ultraviolet light
absorbing agents
INVENTOR(S): Koga, Koichi; Kondo, Yutaka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan; Kyodo Chemical
Co., Ltd.
SOURCE: Japan. Kokai, 8 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50159482	A2	19751224	JP 1974-67934	19740613
AB				
2-(2-Hydroxyphenyl)-1,2,3-benzotriazoles (I) (R1, R2 = H, lower alkyl, lower alkoxy, or halogen; R3 = H, Me) with uv-absorbing properties were synthesized by known methods. I stabilized photosensitive org. compds. and can be added to cosmetics, pharmaceuticals, foods, fibers, etc., and are heat-resistant. Thus, a cosmetic prepn. consisted of white ceresin wax 5, white petrolatum 22, white mineral oil 19.5, anhyd. lanolin 1.5, II [58912-09-7] 2, H2O 36, and perfume 0.5 parts.				

L21 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:35205 CAPLUS
DOCUMENT NUMBER: 84:35205
TITLE: Ultraviolet light-absorbing agents
Hotta, Seiji; Koga, Koichi; Kondo, Yutaka; Matsushita, Nobumasa; Kano, Toshio
INVENTOR(S): Sumitomo Chemical Co., Ltd., Japan; Kyodo Yakuin Co., Ltd.
PATENT ASSIGNEE(S): Japan. Kokai, 8 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50120486	A2	19750920	JP 1974-26942	19740307
JP 57014395	B4	19820324		
AB				
2-(2-Hydroxyphenyl)benzotriazole (I, X, Z = H, alkyl, alkoxy, or halogen; n = 0 or 1; Y = H or halogen) are uv absorbing agents. I prevented the photosensitivity of org. compds. and can be applied to the prodn. of cosmetics, dyes, foods etc. I was synthesized by diazotization of nitroanilines, followed by treatment with resorcinol monoethers and redn., or by other methods. Thus, a cosmetic prepn. contained white ceresin wax 5, white petrolatum 22, white mineral oil 19.5, anhyd. lanolin 1.5, II [57580-30-0] (X, Y = H; Z = p-CH3O; A = direct linkage) 2, H2O 36 and perfume 0.5 part.				

L21 ANSWER 27 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:35204 CAPLUS
DOCUMENT NUMBER: 84:35204
TITLE: Ultraviolet light-absorbing agents
INVENTOR(S): Hotta, Seiji; Kondo, Yutaka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Japan. Kokai, 8 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50121178	A2	19750922	JP 1974-28884	19740312
AB				
Cationic benzotriazoles I [X = H, halogen, or alkoxy; Y = direct linkage, O, or NR (R = H, alkyl, cyclohexyl or benzyl); W = alkylene, alkenylene, aralkylene, phenylene, or heteroalkylene, and contg. O, NR, NRCO, or COO; Z = H, halogen, or alkyl; Q+ = quaternary ammonium group; A- = anion; m = 1 or 2; n = 0 or 1] with uv-absorbing properties were synthesized. I prevented the sensitivity of org. compds. in various products such as cosmetics, fibers, foods etc. Thus, a cosmetic contained white ceresin wax 5, white petrolatum 22, white mineral oil 19.5, anhyd. lanolin 1.5, II [57579-95-0] 2, H2O 36 and perfume 0.5 part.				

L21 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:6101 CAPLUS
DOCUMENT NUMBER: 84:6101
TITLE: Vinyl chloride foams having skins
INVENTOR(S): Matsuo, Takashi
PATENT ASSIGNEE(S): Nihon Politeku K. K., Japan
SOURCE: Japan. Kokai, 3 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50030963	A2	19750327	JP 1973-81163	19730719
AB				
A mixt. of PVC 100, 2 phthalate plasticizers 55, an epoxy plasticizer 5, a Sn stabilizer 2, and a benzotriazole uv absorber 0.5 part was used to form a coating in a rotating mold at 70.degree., and the mold was kept at 200.degree. for 1.5 min, filled with a mixt. of PVC 100, 2 phthalate plasticizers 100, a Sn stabilizer, and a foam-regulating agent 3 parts, and kept at 200.degree. for 20 min to prep. a foam having good adhesion between the foam and the skin.				

L21 ANSWER 29 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1974:409925 CAPLUS
 DOCUMENT NUMBER: 81:9925
 TITLE: Benzotriazole derivatives as uv-absorbing agents
 AUTHOR(S): Joo, I.; Simon, N.
 CORPORATE SOURCE: Univ. Dermatol. Clin., Szeged, Hung.
 SOURCE: Arch. Dermatol. Forsch. (1974), 249(1), 13-19
 CODEN: ADMFAU
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB 2-Hydroxyphenylbenzotriazole derivs., such as 2-(2-hydroxy-5-methylphenyl) benzotriazole [2440-22-4], are uv-absorbing agents, as shown spectrophotometrically and in clin. expts. Their absorption capacity was higher than that of benzophenone derivs. In the luminescence spectrum, the compds. did not emit long-wave uv-radiation or visible light under the influence of absorbed energy. Out of 145 patients, only 2 showed hypersensitivity to the compds.

L21 ANSWER 30 OF 30 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1953:34950 CAPLUS
 DOCUMENT NUMBER: 47:34950
 ORIGINAL REFERENCE NO.: 47:5936f-i,5937a-b
 TITLE: Proof of structures derived from the hydroxy- and aminomethylation of benzotriazole
 AUTHOR(S): Burckhalter, J. H.; Stephens, Verlin C.; Hall, Luther A. R.
 CORPORATE SOURCE: Univ. of Kansas, Lawrence
 SOURCE: J. Am. Chem. Soc. (1952), 74, 3868-70
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The products isolated from reactions involving benzotriazole and CH₂O have been shown to be substituted in the 1-position. Benzotriazole (I) (11.9 g.), 5 g. Me₂NH in EtOH, 9.6 cc. 40% aq. CH₂O, and 150 cc. MeOH were converted by the method of Bachman and Heisey (C.A. 41, 1655d) to 1-(dimethylaminomethyl)-1H-benzotriazole (II), m. 99-100.5.degree. (from Skelly B). Similarly was prepd. 1-(morpholinomethyl)-1H-benzotriazole (III), 96%, m. 104-5.degree. (from EtOH), from morpholine. I (60 g.), 40 cc. 40% aq. CH₂O, 50 cc. AcOH, and 100 cc. H₂O let stand 2 hrs. at room temp. gave 66 g. (88%) 1-(hydroxymethyl)-1H-benzotriazole (IV), m. 148-51.degree. (from EtOAc), also obtained in 80% yield from 8.8 g. II and 20 cc. 50% aq. AcOH at room temp. To 59.6 g. IV was added dropwise with cooling 175 cc. SOCl₂, the mixt. stirred and refluxed 1.5 hrs., the excess SOCl₂ distd. off, and the remainder heated with 200 cc. MeOH and cooled to yield 62 g. (93%) 1-(chloromethyl)benzo-1H-triazole (V), m. 136-8.degree. (from MeOH), irritates the skin. To 8.4 g. V in 300 cc. warm C₆H₆ was added 8.7 cc. morpholine and the mixt. allowed to stand overnight to give 9.6 g. (88%) III. Through 16.7 g. V in a Soxhlet thimble was refluxed 4 hrs. the Et₂O from a soln. of 4 g. LiAlH₄, the evapd. Et₂O replaced with dry tetrahydrofuran, refluxing continued overnight, the soln. cooled, treated with H₂O dropwise, then with 200 cc. 10% aq. NaOH, the oily layer extd. with C₆H₆, the C₆H₆ ext. washed twice with H₂O, extd. with 100 cc. 10% HCl, and the acidic ext. neutralized with NH₄OH and extd. 3 times with a total of 200 cc. C₆H₆ to yield 6.6 g. (50%) 1-methyl-1H-benzotriazole, b. 270-5.degree., m. 64-5.5.degree. (from C₆H₆ and Skelly B); picrate, m. 148.5-50.degree. IV (27.7 g.) was refluxed 4 hrs. with 5 g. NaNH₂ in 200 cc. dry C₆H₆, 17 g. Me₂NCH₂CH₂Cl added, the mixt. refluxed overnight, filtered, and dry HCl passed into the filtrate to ppt. an oil which, triturated with EtOH, gave 20 g. solid, m. 126-33.degree.; this recrystd. twice from abs. EtOH and then from EtOH/C₆H₆ gave 4 g. (13%) 1-(2-dimethylaminoethoxymethyl)-1H-benzotriazole, m. 176-8.degree. I (11.9 g.) was refluxed 4 hrs. with vigorous stirring with 4 g. NaNH₂ in 200 cc. dry PhMe, 16.7 g. V added to the hot suspension, the mixt. stirred and refluxed 19 hrs., cooled, and the solid filtered off and triturated with H₂O to give 22 g. (88%) 1,1'-methylenebis-1H-benzotriazole (VI), m. 192-3.degree. (from aq. EtOH); concn. of the PhMe filtrate yielded 1 g. (4%) 1-(2H-benzotriazol-2-yl-methyl)-1H-benzotriazole, off-white solid, m. 142-6.5.degree. (from Skelly B), more sol. than VI in C₆H₆.

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FILE 'REGISTRY' ENTERED AT 07:01:53 ON 25 NOV 2002

L1 STRUCTURE UPLOADED
L2 2 S L1
L3 32 S L1 FULL

FILE 'USPATFULL' ENTERED AT 07:02:39 ON 25 NOV 2002

L4 21 S L3
L5 10 S L4 AND (SKIN OR BODY OR COSMETIC?)

FILE 'CAPLUS' ENTERED AT 07:06:44 ON 25 NOV 2002

L6 69 S L3
L7 11 S L6 AND (SKIN OR BODY OR COSMETIC?)
L8 42 S L6 AND (FILTER OR ABSORBER?)
L9 44 S L6 AND (FILTER OR ABSORB?)
L10 23 S L9 NOT PY>=1998
L11 66 S L3/USES
L12 43 S L11 AND (FILTER OR ABSORB? OR FILTER? OR ABSORB?)
L13 8 S L11 AND (SKIN OR BODY OR COSMETIC? AND FILTER? OR ABORB?)
L14 61 S L6 NOT L13
L15 40 S L14 NOT PY>1998
L16 663072 S (SKIN OR BODY OR COSMETIC? AND FILTER? OR ABORB?)
L17 662787 S SKIN OR BODY OR COSMETIC? (P) FILTER? OR ABORB?
L18 201391 S SKIN OR BODY CARE OR COSMETIC? (P) FILTER? OR UV ABSORB? OR U
L19 4030 S (SKIN OR BODY CARE OR COSMETIC?) (P) (FILTER? OR UV ABSORB? O
L20 75 S L19 AND BENZOTRIAZOLE
L21 30 S L20 NOT PY>=1998

09/830,788

Page 1

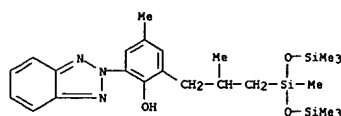
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L15 ANSWER 1 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:713094 CAPLUS
DOCUMENT NUMBER: 135:262022
TITLE: Silicone oil/cosolvent system concentrated in active liposoluble cosmetic substance(s), corresponding cosmetic emulsion and formulation
INVENTOR(S): Mercier, Jean-Michel; Ricca, Jean-Marc; Martin, Nadia
PATENT ASSIGNEE(S): Rhodia Chimie, Fr.
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXX02
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070177	A1	20010927	WO 2001-FR831	20010320
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2806624	A1	20010928	FR 2000-3677	20000322
FR 2806624	B1	20021031		

PRIORITY APPL. INFO.: FR 2000-3677 A 20000322
AB The invention concerns a silicone oil/cosolvent/active substance(s) system, characterized in that it comprises in solubilized form at least 25 wt. relative to silicone wt. of at least an active substance fat sol. and naturally non-sol. in said silicone. A silicone oil/cosolvent/active substance system was prep. comprising isodecyl neopentanoate 55, octyl-methoxycinnamate 17.3, polydimethylsiloxane 27.7%. The ratio of cosolvent/silicone was 2:1. A cosmetic emulsion was prep. comprising above compn. 73, ethoxylated laureth sulfate, and water q.s. 100%. The av. particle size of the emulsion was 0.74 .mu.m.
IT 155633-54-8
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(silicone oil/cosolvent system concd. in active liposol. cosmetic substance(s), corresponding cosmetic emulsion and formulation)
RN 155633-54-8 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 1 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



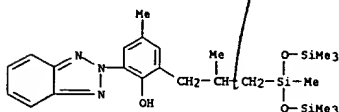
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:691727 CAPLUS
DOCUMENT NUMBER: 135:247020
TITLE: Sunscreen mixtures containing 4,4'-diarylbutadienes in cosmetics and pharmaceuticals
INVENTOR(S): Heidenfelder, Thomas; Habeck, Thorsten; Wensch, Thomas
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: Eur. Pat. Appl., 30 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1133981	A2	20010919	EP 2001-106118	20010313
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 10012413	A1	20010920	DE 2000-10012413	20000315
US 2002004034	A1	20020110	US 2001-85238	20010314
US 6391289	B2	20020521		
BR 2001002324	A	20011204	BR 2001-2324	20010315
JP 2001348318	A2	20011218	JP 2001-74833	20010315
CN 1328815	A	20020102	CN 2001-117822	20010315
AU 2001028027	A5	20020919	AU 2001-28027	20010315
PRIORITY APPL. INFO.: DE 2000-10012413 A 20000315				

OTHER SOURCE(S): MARPAT 135:247020
AB Mixts. of photoprotectants comprise 4,4'-diarylbutadienes, dibenzoylmethanes, triazines, benzotriazoles, etc., and have UVA radiation absorbing properties. Thus, a sunscreen compn. contained octyl methoxycinnamate 10.00, ethoxylated hydrogenated castor oil 6.50, micronized TiO2 6.00, a sunscreen (mixture of 4,4'-diarylbutadienes and triazines and benzotriazoles) 5.00, mineral oil 5.00, isocamyl p-methoxycinnamate 5.00, propylene glycol 5.00, jojoba oil 3.00, 4-methylbenzylideneamphor 3.00, PEG/dodecyl glycol polymer 2.00, dimethicone 1.00, tocopheryl acetate 0.50, phenoxethanol 0.50, EDTA 0.20, and water to 100%.
IT 155633-54-8
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(sunscreen mixts. contg. diarylbutadienes in cosmetics and pharmaceuticals)
RN 155633-54-8 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 2 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



L15 ANSWER 3 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:691726 CAPLUS
 DOCUMENT NUMBER: 135:247019
 TITLE: Mixtures of photoprotectants comprising aminohydroxybenzophenones in cosmetics and pharmaceuticals
 INVENTOR(S): Heidenfelder, Thomas; Habeck, Thorsten; Wuensch, Thomas
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: Eur. Pat. Appl., 33 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1133980	A2	20010919	EP 2001-104958	20010301
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 10012408	A1	20010920	DE 2000-10012408	20000315
US 2002001570	A1	20020103	US 2001-805727	20010307
US 6387355	B2	20020514		
JP 2001261540	A2	20010926	JP 2001-70070	20010313
BR 2001001085	A	20011106	BR 2001-1085	20010315
CN 1324610	A	20011205	CN 2001-116869	20010315
			DE 2000-10012408 A	20000315

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

AB Mixts. of photoprotectants comprising hydroxybenzophenones, 4,4'-diarylbutoadienes, dibenzylmethanes, triazines, benzotriazoles, etc., and have UVA radiation absorbing properties. Thus, a sunscreen compn. contained octyl methoxycinnamate 10.00, ethoxylated hydrogenated castor oil 6.50, micronized TiO₂ 6.00, a sunscreen (mixt. of hydroxybenzophenones, triazines and benzotriazoles) 5.00, mineral oil 5.00, isoamyl p-methoxycinnamate 5.00, propylene glycol 5.00, jojoba oil 3.00, 4-methylbenzylideneacampor 3.00, PEG/dodecyl glycol polymer 2.00, dimethicone 1.00, tocopheryl acetate 0.50, phenoxethanol 0.50, EDTA 0.20, and water to 100%.

IT 155633-54-8

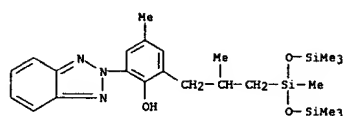
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(mixts. of photoprotectants comprising aminohydroxybenzophenones in cosmetics and pharmaceuticals)

RN 155633-54-8 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-(1,3,3-tetramethyl-1-[[trimethylsilyl]oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 3 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



L15 ANSWER 4 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:691812 CAPLUS
 DOCUMENT NUMBER: 135:200183
 TITLE: Alkylation process and novel hydroxyphenylbenzotriazoles
 INVENTOR(S): Huber, Ulrich
 PATENT ASSIGNEE(S): F. Hoffmann-La Roche A.-g., Switz.
 SOURCE: Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1127881	A1	20010829	EP 2001-104114	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2001023293	A1	20010920	US 2001-765268	20010118
NO 2001000803	A	20010822	NO 2001-803	20010216
CA 2337586	AA	20010821	CA 2001-2337586	20010220
BR 2001000650	A	20011009	BR 2001-650	20010220
CN 1310178	A	20010829	CN 2001-104667	20010221
JP 2001278870	A2	20011020	JP 2001-44831	20010221

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

AB A process for the prepn. of alkylated 2-substituted phenylbenzotriazole compds. for cosmetic or dermatol. sunscreen compns. is described. For example, 2-(benzotriazol-2-yl)-4-methyl-6-(1-octen-3-yl)phenol (prepn. given) was hydrogenated using a Lindlar catalyst to yield 2-(benzotriazol-2-yl)-4-methyl-6-(3-octyl)phenol (I). The product was easily mixable with cosmetic solvents like, e.g., Cetiol LC (Cocoyl caprylate caprate). When irradiated in high diln. with a Heraeus 150 W Hg-lamp the product has been shown to be photostable. An oil/water sunscreen lotion was prepd. by mixing (by wt.) part A contg. 1.2% Parsol MCX 21, Parsol 1789 1%, Cetiol LC 12%, Dermal 185 4%, diethylene glycol monostearate 0.25%, cetyl alc. 1%, methylparaben/propylparaben 0.25%, EDTA Na salt 0.1%, and Amphisol DEA 1%, heated at 85 degrees, with part B contg. Permulene TR-1 20%, water 48.6%, propylene glycol 5%, and 10% KOH 0.8%.

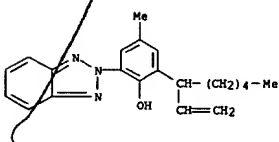
IT 356789-59-8P 356789-60-1P 356789-61-2P

RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of substituted phenylbenzotriazole compds. as sunscreens)

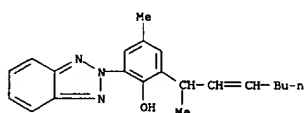
RN 356789-59-8 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-6-(1-ethenylhexyl)-4-methyl- (9CI) (CA INDEX NAME)



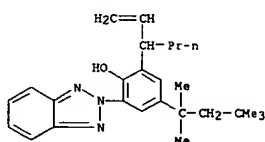
L15 ANSWER 4 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 356789-60-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-(1-methyl-2-heptenyl)- (9CI) (CA INDEX NAME)



RN 356789-61-2 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-6-(1-ethenylbutyl)-4-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



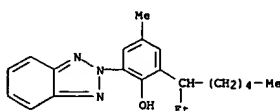
IT 356789-62-3P 356789-63-4P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of substituted phenylbenzotriazole compds. as sunscreens)

RN 356789-62-3 CAPLUS

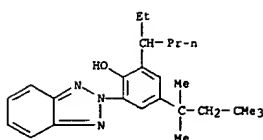
CN Phenol, 2-(2H-benzotriazol-2-yl)-6-(1-ethylhexyl)-4-methyl- (9CI) (CA INDEX NAME)



RN 356789-63-4 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-6-(1-ethylbutyl)-4-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 4 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



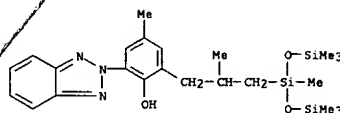
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:631865 CAPLUS
 DOCUMENT NUMBER: 135:200181
 TITLE: Sunscreen formulations containing benzotriazole and dialkylphthalate derivatives
 INVENTOR(S): Gers-Barlag, Heinrich; Wendel, Volkert; Grundt, Wiebke
 PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXKXW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1127568	A2	20010829	EP 2001-104074	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 10008896	A1	20010830	DE 2000-10008896	20000225
US 2001026790	A1	20011004	US 2001-793298	20010226
US 6355230	B2	20020312		

PRIORITY APPLN. INFO.: DE 2000-10008896 A 20000225
 OTHER SOURCE(S): MARPAT 135:200181
 AB The invention concerns sunscreens that contain benzotriazole and dialkylphthalate derivs. (I) and (II), R-groups are defined, in an oily phase or O/W, W/O emulsions. Thus as O/W sunscreen contained (wt./wt.%): stearic acid 1.0; glycerin monostearate 3.00; dimethicone 2.00; phenyltrimethicone 2.00; Vitamin E acetate 0.50; drometrizole trisiloxane 3.00; Hallbrite TQ/6.00; preservative 0.50; glycerol 3.00; xanthan gum 0.30; sodium hydroxide (45%) 0.50; water to 100.
 IT 155633-54-8, Drometrizole trisiloxane
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses) (sunscreens formulations contg. benzotriazole and dialkylphthalate derivs.)
 RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

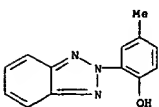


L15 ANSWER 6 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:574592 CAPLUS
 DOCUMENT NUMBER: 135:170485
 TITLE: UV-screening compositions containing a mono- or polycarboxylic naphthalenic acid derivative complex with a UV-screening hydroxyphenylbenzotriazole derivative
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: Fr. Demande, 27 pp.
 CODEN: FROXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

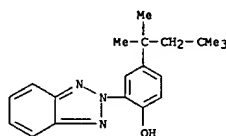
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2801206	A1	20010525	FR 1999-14583	19991119
FR 2801213	A1	20010525	FR 1999-16272	19991222

PRIORITY APPLN. INFO.: FR 1999-14583 A 19991119
 OTHER SOURCE(S): MARPAT 135:170485
 AB The title hair and skin sunscreens are disclosed (Markush structure given). A sunscreen contained Arlacel 765 FL 2, stearyl alc. 1, palm oil stearic acid 2.5, polydimethylsiloxane 0.5, Witconol TN 20, triethanolamine 0.5, methylene bis(tetramethylbutylhydroxyphenyl benzotriazole) 5, glycerin 5, Amphiscal K 1, polyacrylic acid 0.3, hydroxypropyl Me cellulose 0.1, Bu methoxydibenzoyl methane 2, Hallbrite TQ (a naphthalene dicarboxylic acid deriv.) 4, drometrizole trisiloxane 3, triethanolamine q.s. pH = 7, preservative q.s. and water q.s. 100 g.
 IT 2440-22-4 3147-75-9 3846-71-7
 25973-55-1 70693-49-1 95963-68-1
 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses) (UV-screening compns. contg. mono- or polycarboxylic naphthalenic acid deriv. complex with UV-screening hydroxyphenylbenzotriazole deriv.)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)

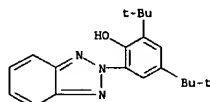


RN 3147-75-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)

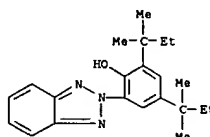
L15 ANSWER 6 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



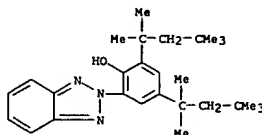
RN 3846-71-7 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



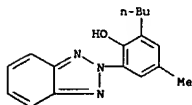
RN 25973-55-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)



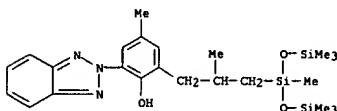
RN 70693-49-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 6 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RN 95963-68-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[(2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl]- (9CI) (CA INDEX NAME)



RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[(2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 7 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:516271 CAPLUS
 DOCUMENT NUMBER: 135:81801
 TITLE: Cosmetic compositions containing a cationic fructan and an agent protecting keratins in skin and hair
 INVENTOR(S): Dubief, Claude; Restle, Serge
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: Fr. Demande, 20 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

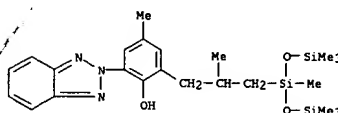
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2795951	A1	20010112	FR 1999-8964	19990709
FR 2795951	B1	20010907		

AB A cosmetic compn. is disclosed which comprises, in a vehicle that is cosmetically acceptable, at least one fructan carrying at least one amino group, and at least one keratin-protecting agent. The compn. is esp. appropriate for use in products for cleansing or conditioning hair or skin.

IT 155633-54-8
 RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(cosmetic compns. contg. a cationic fructan and an agent protecting keratins in skin and hair)

RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[(2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 8 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:507699 CAPLUS
 DOCUMENT NUMBER: 135:111709
 TITLE: S-triazine derivatives and their use as skin and hair sunscreens
 INVENTOR(S): Bonaventure, Nicole; Breton, Philippe; Destree, Odile
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: PCT Int. Appl., 37 pp.
 CODEN: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
VO 2001049686	A1	20010712	VO 2000-FR3455	20001208

W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

FR 2803194	A1	20010706	FR 2000-18	20000103
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PRIORITY APPLN. INFO.: MARPAT 135:111709

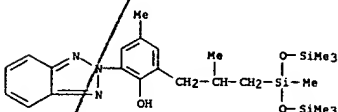
OTHER SOURCE(S):

AB The invention relates to novel s-triazine derivs. of formula I, wherein R3 is alkyl or alkoxy, N is 0 or 1 and R1 and R2 are certain cyclical groups, to a method for producing said derivs. and to their uses in a particular form as UV filters, esp. in the field of cosmetics. The invention also relates to the use of these compds. for protecting skin and hair from UV radiation in particular. N-bis(phenyl-4-yl-N'-(4-butoxyphenyl)-N''-[4-(6-methylbenzothiazol-2-yl)phenyl]-[1,3,5]-triazine-2,4,6-triamine (II) was prep'd. by the reaction of 4-(6-methylbenzothiazol-2-yl)aniline, 4-phenylaniline, and 4-butoxyaniline. Formulation of a sunscreen contg. 8% II was disclosed.

IT 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (drometrizole trisiloxane; s-triazine derivs. and their use as skin and hair sunscreens)

RN 155633-54-8 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[(2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl]- (9CI) (CA INDEX NAME)

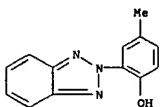


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

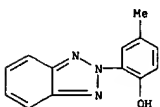
L15 ANSWER 8 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:481826 CAPLUS
 DOCUMENT NUMBER: 135:81859
 TITLE: Skin-lightening cosmetics comprising plant extracts and other actives
 INVENTOR(S): Hoshino, Hiroshi; Kameyama, Kumi
 PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan; Suntory, Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JJOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

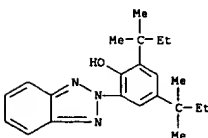
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001181173	A2	20010703	JP 1999-370804	19991227
AB				
This invention relates to skin-lightening cosmetics comprising (1) beet exts. and (2) .gtoreq. 1 substances selected from the group consisting of natural products, active oxygen removers, antioxidants, anti-inflammatories, and sunscreens. A lotion contained beet exts. 2, licorice exts. 0.5, ginkgo exts. 0.01, glycerin 5, 1,3-butylene glycol 6.5, PEG sorbitan monolaurate 1.2, ethanol 9, preservatives q.s., perfumes q.s., distd. water to 100 %.				
IT				
2440-22-4, 2-(2-Hydroxy-5-methylphenyl)-benzotriazole RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (skin-lightening cosmetics comprising plant exts. and other actives)				
RN				
2440-22-4 CAPLUS				
CN				
Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)				



L15 ANSWER 10 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 use); BIOL (Biological study); USES (Uses)
 (dosimeter for sun radiation for use with sunscreen lotion based on a photochromic compd. dispersed in a polymeric matrix)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



RN 25973-55-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 10 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:435352 CAPLUS
 DOCUMENT NUMBER: 135:50875
 TITLE: Dosimeter for sun radiation for use with sunscreen lotion based on a photochromic compound dispersed in a polymeric matrix
 INVENTOR(S): Faran, Ori; Natan, Ezra; Lastochkin, Dmitry
 PATENT ASSIGNEE(S): Skyrad Ltd., Israel
 SOURCE: PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001042747	A2	20010614	WO 2000-IL814	20001204
WO 2001042747	A3	20020124		
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001017295	A5	20010618	AU 2001-17295	20001204
PRIORITY APPLN. INFO.:			US 1999-169953P	P 19991209
			WO 2000-IL814	W 20001204

AB A disposable dosimeter for sun radiation comprises at least one photochromic compd. capable to change its original color to a new color due to a reversible photo-chem. reaction induced upon exposing the dosimeter to UV radiation distributed in polymeric matrix. The transparency of the matrix is sufficient to enable easy visual detection of the change of the original color to the new color. The matrix is provided with porous structure suitable for absorbing a sunscreen lotion when it is applied to the dosimeter. A dosimeter for skin was produced as a film with porous structure by extrusion of mixt. of two compns. The compn. (A) contained 1.5 g 1',3'-dihydro-1',3',3'-trimethyl-6-nitrospiro-[2H-1-benzopyran-2,2'-(2H)indole], 3 g .alpha.,.alpha.,.alpha.-trichlorotoluene, and 500 g low-d. polyethylene, and the compn. (B) contained 5 g foaming agent Genitron EPB, 0.5 g yellow color pigment L 3493, and 500 g low-d. polyethylene. A sunscreen lotion (Pizzbui, SPF 30) was applied on the upper surface of the dosimeter and the dosimeter was exposed to sun radiation. Upon exposure the dosimeter immediately changed its color from yellow to violet. Upon accumulating 3 MED, it gradually changed the color to brown and finally after 3.5 h became yellow. The final yellow color of the dosimeter was not influenced neither by prolonged exposure to sun radiation, nor by heating up to 50.degree.. The same dosimeter without sunscreen lotion was exposed to the same amt. of UV radiation and at the same conditions; the dosimeter returned to the original color after 0.5 h.

IT 2440-22-4, 2-(2-Hydroxy-5-methylphenyl)-2H-benzotriazole
 25973-55-1 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol
 RL: BUU (Biological use, unclassified); DEV (Device component)

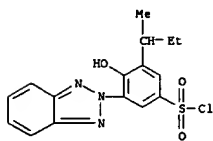
L15 ANSWER 11 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:380563 CAPLUS
 DOCUMENT NUMBER: 135:9815
 TITLE: Use of benzotriazole derivatives as hair sunscreens
 INVENTOR(S): Ehliis, Thomas
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036396	A1	20010525	WO 2000-EP10969	20001107
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000015619	A	20020716	BR 2000-15619	20001107
EP 1232148	A1	20020821	EP 2000-976009	20001107
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IL, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RD, MK, CY, AL, TR				
PRIORITY APPLN. INFO.:			EP 1999-811053	A 19991116
			WO 2000-EP10969	W 20001107

OTHER SOURCE(S): MARPAT 135:9815
 AB The use of benzotriazole UV absorbers of formula (I), wherein A is a ketoether, ketoamine, or sulfur-contg. amine; B is tertiary or quaternary amine, or a heterocyclic radical; R1, R2, R3, R4, R5 and R6 are each independently of the others hydrogen, C1-C16 alkyl; C5-C7 cycloalkyl; halogen; R9 is hydrogen, C1-C12 alkyl; or C5-C7 cycloalkyl; R7, R8 and R10 are each independently of the others hydrogen, C1-C12 alkyl C5-C7 cycloalkyl, C1-C12 hydroxyalkyl; R11 is C1-C12 alkyl; or C5-C7 cycloalkyl; R12 and R13 are each independently of the other hydrogen; or C1-C5 alkyl; in the cosmetic treatment of human hair for protection against UV radiation is described. Prepn. of 14 benzotriazole deriva. is described. Stability and antimicrobial action of these deriva. was also shown.

IT 340964-11-6P
 RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (use of benzotriazole deriva. as hair sunscreens)
 RN 340964-11-6 CAPLUS
 CN Benzenesulfonyl chloride, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 11 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

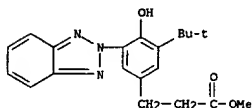


IT 84268-33-7P 340964-06-9P 340964-13-8P
340964-16-1P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (use of benzotriazole deriva. as hair sunscreens)

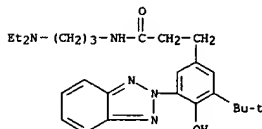
RN 84268-33-7 CAPLUS

CN Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, methyl ester (9CI) (CA INDEX NAME)



RN 340964-06-9 CAPLUS

CN Benzenepropanamide, 3-(2H-benzotriazol-2-yl)-N-[3-(diethylamino)propyl]-5-(1,1-dimethylethyl)-4-hydroxy- (9CI) (CA INDEX NAME)



RN 340964-13-8 CAPLUS

CN Benzenesulfonamide, 3-(2H-benzotriazol-2-yl)-N-[3-(diethylamino)propyl]-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 12 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

2001:326233 CAPLUS

DOCUMENT NUMBER:

134:344351

TITLE:

Storage-stable topical preparations containing kojic acids with enhanced absorption

INVENTOR(S):

Honda, Shinsuke

PATENT ASSIGNEE(S):

Sansei Pharmaceutical Co., Ltd., Japan

SOURCE:

Jpn. Kokai Tokkyo Koho, 10 pp.

COBEX: JXXXXF

Tscent

DOCUMENT TYPE:

Japanese

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001122754	A2	20010508	JP 1999-302737	19991025

OTHER SOURCE(S):

MARKPAT 134:344351

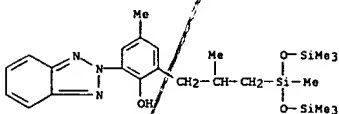
AB Topical prepn. contain kojic acid (I) and/or its derivs. and cyanoacrylates Ph2C:C(CN)CO2R (R = linear or branched alkyl) and/or benzotriazole-contg. silicones BSiR2O(SiR2O)(SiARO)sSiR2B [R = C1-10 alkyl, Ph, 3,3,3-trifluoropropyl, trimethylsilyloxy; .gtoreq.80% of R is Me; B = R, A; r = 0-50; s = 0-20; when s = 0, then at least one of B is A; A = CH2CHX(CH2)mR1; R1 = 2-hydroxy-3-(benzotriazol-2-yl)-5-methylphenyl; m = 1-10; X = H, C1-4 alkyl] as agents to improve affinity for skin. A sunscreen cream contg. 5.00 wt.% I and 2.00 wt.% benzotriazole-contg. silicone compd. was applied on the skin of men and showed SPF (sun protection factor) 29.5 and 24.8 before and after swimming, resp.

IT 155633-54-8 155633-56-0 338464-05-4

RL: BAC (Biological activity/or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (storage-stable cosmetics contg. kojic acids and cyanoacrylates and/or benzotriazole-contg. silicones for enhanced absorption)

RN 155633-54-8 CAPLUS

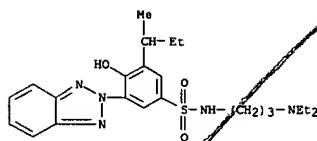
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-{1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl}propyl]- (9CI) (CA INDEX NAME)



RN 155633-56-0 CAPLUS

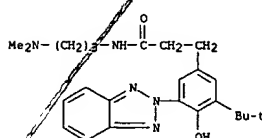
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[3-{1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl}propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 11 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 340964-16-1 CAPLUS

CN Benzenepropanamide, 3-(2H-benzotriazol-2-yl)-N-[3-(dimethylamino)propyl]-5-(1,1-dimethylethyl)-4-hydroxy- (9CI) (CA INDEX NAME)

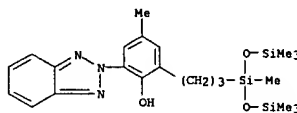


REFERENCE COUNT:

9

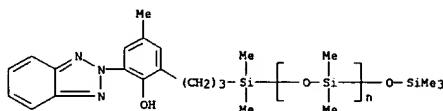
THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 12 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 338464-05-4 CAPLUS

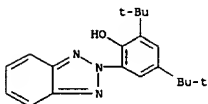
CN Poly[oxy(dimethylsilylene)], .alpha.-[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-methylphenyl]propyl]dimethylsilyl]-.omega.-[trimethylsilyl]oxy]- (9CI) (CA INDEX NAME)



L15 ANSWER 13 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:297458 CAPLUS
DOCUMENT NUMBER: 134:315906
TITLE: Water-in-oil emulsions containing at least one insoluble organic UV filter and a non-filtrating organo-modified silicone
INVENTOR(S): Candau, Didier; Forestier, Serge
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1093799	A1	20010425	EP 2000-402819	20001012
EP 1093799	B1	20020807		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2799963	A1	20010427	FR 1999-13219	19991022
FR 2799963	B1	20020719		
AT 221767	E	20020815	AT 2000-402819	20001012
AU 742925	B2	20020117	AU 2000-66637	20001020
BR 2000005154	A	20010529	BR 2000-5154	20001023
JP 2001151657	A2	20010605	JP 2000-361938	20001023
US 6403061	B1	20020611	US 2000-693888	20001023

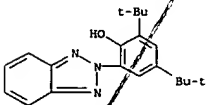
PRIORITY APPL. INFO.: FR 1999-13219 A 19991022
OTHER SOURCE(S): MARPAT 134:315906
AB Water-in-oil emulsions contg. at least one insol. org. UV filter and a non-filtrating organo-modified silicone are disclosed for photoprotection of skin and hair. An emulsion contained Abil EM90D 2, phenyltrimethylsiloxaytrisiloxane 3, Witconol TN 8, Tinosorb M 5, drometrizole trisiloxane 2, 2,4-bis[(4-2-ethylhexyloxy)-2-hydroxyphenyl]-6-(4-methoxyphenyl)-1,3,5-triazine 2, titanium oxide 3, glycerin 5, magnesium sulfate 0.7, preservatives and water q.s. 100 g.
IT 3846-71-7 25973-55-1 36437-37-3
155633-54-8, Drometrizole trisiloxane
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(emulsions contg. one or more insol. org. UV-filter and associative polymer)
RN 3846-71-7 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 14 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:297457 CAPLUS
DOCUMENT NUMBER: 134:315905
TITLE: Emulsions without emulsifiers containing at least one insoluble organic UV-filter
INVENTOR(S): Candau, Didier; Piesson, Anne-Marie
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

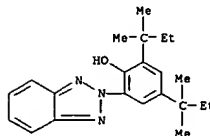
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1093798	A1	20010425	EP 2000-402810	20001011
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2799965	A1	20010427	FR 1999-13221	19991022
FR 2799965	B1	20021031		
BR 2000005141	A	20010529	BR 2000-5141	20001020
AU 742850	B2	20020117	AU 2000-66643	20001020
JP 2001199857	A2	20010724	JP 2000-361937	20001023
US 6416748	B1	20020709	US 2000-693894	20001023

PRIORITY APPL. INFO.: FR 1999-13221 A 19991021
OTHER SOURCE(S): MARPAT 134:315905
AB Water-in-oil emulsions without emulsifiers contg. at least one insol. org. UV filter are disclosed for photoprotection of skin and hair. An emulsion contained Witconol TN 10, Tinosorb M 2.5, Unvinil N539 5, Parsol-1789 2, Permulyne-TR1 0.75, titaniumoxide 3, Mexoryl-SX 0.5, glycerin 5, preservatives and water q.s. 100 g.
IT 3846-71-7 25973-55-1 36437-37-3
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(emulsions without emulsifiers contg. at least one insol. org. UV-filter)
RN 3846-71-7 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

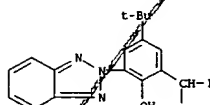


RN 25973-55-1 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)

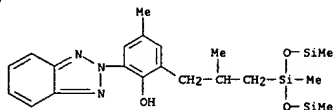
L15 ANSWER 13 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
RN 25973-55-1 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)



RN 36437-37-3 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (9CI) (CA INDEX NAME)

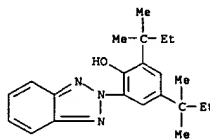


RN 155633-54-8 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

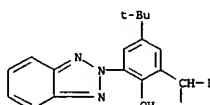


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 14 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 36437-37-3 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (9CI) (CA INDEX NAME)

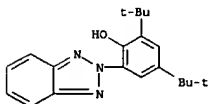


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 15 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:297455 CAPLUS
DOCUMENT NUMBER: 134:315904
TITLE: Process for the photostabilization of sunscreens
derived from dibenzoylmethane by an insoluble organic
sunscreens
INVENTOR(S): Candau, Didier; Pissou, Anne-Marie
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1093797	A1	20010425	EP 2000-402809	20001011
EP 1093797	B1	20020220		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2799966	A1	20010427	FR 1999-13222	19991022
FR 2799966	B1	20020726		
AT 213403	E	20020315	AT 2000-402809	20001011
ES 2173072	T3	20021016	ES 2000-402809	20001011
AU 740339	B2	20011101	AU 2000-66642	20001020
BR 2000006736	A	20010522	BR 2000-6736	20001023
JP 2001192351	A2	20010717	JP 2000-361939	20001023

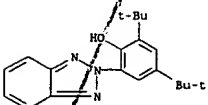
PRIORITY APPL. INFO.: FR 1999-13222 A 19991022
OTHER SOURCE(S): MARPAT 134:315904
AB Sunscreens derived from dibenzoylmethane are stabilized by an insol. org. sunscreens having av. particle size between 0.01-2 .mu.m. A sunscreens compn. contained Sinnox AO 7, Cerasynt SD-V 2, cetyl alc. 1.6, polydimethylsiloxane 1.6, Witconol TN 16, 4-tert-butyl-4'-methoxydibenzoylmethane (Parsol-1789) 0.5, glycerin 16, 2,2'-methylene-bis[6-(2H-benzotriazol-2-yl)-4(1,1,3,3-tetracetylbutyl)phenol] (Tinosorb M) 1.0, EDTA 0.1, preservative and water q.s. 100g.
IT 3846-71-7 25973-55-1 36437-37-3
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(process for photostabilization of sunscreens derived from dibenzoylmethane by insol. org. sunscreens)
RN 3846-71-7 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 16 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:297454 CAPLUS
DOCUMENT NUMBER: 134:315865
TITLE: Emulsions containing one or more insoluble organic
UV-filter and an associative polymer
INVENTOR(S): Candau, Didier; Forestier, Serge; Pissou, Anne-Marie
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 34 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

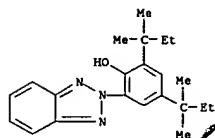
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1093796	A1	20010425	EP 2000-402808	20001011
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2799964	A1	20010427	FR 1999-13220	19991022
FR 2799964	B1	20020726		
BR 2000005139	A	20010522	BR 2000-5139	20001020
AU 744672	B2	20020228	AU 2000-66644	20001020
JP 2001199831	A2	20010724	JP 2000-361940	20001023
US 6409998	B1	20020625	US 2000-693889	20001023

PRIORITY APPL. INFO.: FR 1999-13220 A 19991022
OTHER SOURCE(S): MARPAT 134:315865
AB Cosmetic and dermatol. emulsions contg. a sunscreens filtering UV radiation having av. particle size 0.01-2 .mu.m and an associative polymer are disclosed for the photoprotection of skin and hair. A sunscreens compn. contained Airlacel 165 2, stearyl alc. 1, Stearine TP 2, polydimethylsiloxane 0.5, Witconol TN 8, triethanolamine 0.5, Antaron V220 2, Parsol 1789 1.5, Vinul N539 8, titanium dioxide 3, Tinosorb M 4, propylene glycol 4, glycerin 4, Mexoryl SX 1, EDTA 0.1, polyacrylic acid 0.3, preservatives/q.s., and water q.s. 100 g.
IT 3846-71-7 25973-55-1 36437-37-3
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(emulsions contg. one or more insol. org. UV-filter and associative polymer)
RN 3846-71-7 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

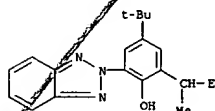


RN 25973-55-1 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 15 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
RN 25973-55-1 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)

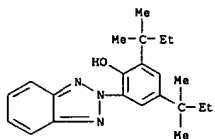


RN 36437-37-3 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (9CI) (CA INDEX NAME)

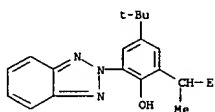


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 16 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 36437-37-3 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 17 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:279402 CAPLUS
 DOCUMENT NUMBER: 134:300637
 TITLE: Use of DHEA or its precursors and metabolites as skin depigmentation agents
 INVENTOR(S): De, Lacharriere Oliver; Nouveau, Stephanie
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1092423	A2	20010418	EP 2000-118605	20000828
EP 1092423	A3	20010829		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2799645	A1	20010420	FR 1999-12773	19991013
JP 2001131072	A2	20010515	JP 2000-303977	20001003
WO 2001026618	A2	20010419	WO 2000-FR2879	20001013
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2803514	A1	20010713	FR 2000-13184	20001013
EP 1221933	A2	20020717	EP 2000-968050	20001013
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRIORITY APPLN. INFO.:
 FR 1999-12773 A 19991013
 WO 2000-FR2879 W 20001013

AB DHEA (dehydroepiandrosterone) or its precursors and metabolites as skin depigmentation agents. A cosmetic compn. contained DHEA 2, propylene glycol isostearate 13, polyethylene glycol 5, propylene glycol 3, pentylene glycol 3, glyceryl stearate and polyethylene glycol stearate 5, ethoxylated sorbitan monostearate 0.5, ethoxylated cetyl alc. 1, gelling agents 0.5, C12-15 alkyl benzoate 4, ethanol 3, sodium hydroxide 0.12, preservatives 0.7, and water q.s. 100%. Depigmentation activity of the compn. was tested in 55-70 yr volunteers.

IT 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (use of DHEA or its precursors and metabolites as skin depigmentation agents)

RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 18 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:270386 CAPLUS
 DOCUMENT NUMBER: 134:300628
 TITLE: Cosmetic agent-containing fine capsules
 INVENTOR(S): Yoshioka, Masato; Segawa, Akihiro; Ueda, Yuka; Omi, Sueko
 PATENT ASSIGNEE(S): Seiva Kasei K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
 CODEN: JXOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

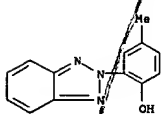
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001106612	A2	20010417	JP 1999-329447	19991119
EP 934773	A2	19990811	EP 1999-101669	19990205
EP 934773	A3	20000223		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.:
 EP 1999-101669 A 19990205
 JP 1999-256082 A 19990805
 JP 1998-41063 A 19980206
 JP 1998-322933 A 19981029

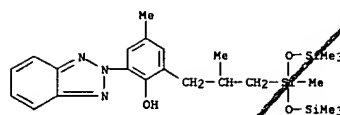
AB The invention relates to a fine capsules contg. a cosmetic agent, e.g. a UV-absorbing agent and a vitamin, and organopolysiloxane wall, wherein the organopolysiloxane is prepd. from compd. (1) $RnSi(OH)mY(4-m-n)$ ($m = 2-3$; $n = 0-3$; $m + n$.ltoreq. 4; R = org. group having C connecting Si directly; Y = alkoxy, H, siloxy), and compd. (2) $RnSi(OH)mY(4-m-n)$ ($m = 1-4$; $n = 0-3$; $m + n$.ltoreq. 4; R = amphiphilic org. group having C connecting Si directly; Y = alkoxy, H, siloxy). UV-absorbing agent-contg. fine capsules were prepd. from N-[2-hydroxy-3-(3'-triethoxysilyl)propoxy]propyl collagen hydrolyzate, methyltriethoxysilane (KBE-13), phenyltriethoxysilane (KBE-103), tetraethoxysilane (KBE-04), p-methoxycinnamic acid 2-ethylhexyl ester (Parsol MCX), and methyltrichlorosilane (KA-13), and combined with other ingredients to obtain a liq. foundation.

IT 2440-22-4, 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (cosmetic agent-contg. fine capsules consisting of silyl peptide-silane copolymers)

RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



L15 ANSWER 17 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



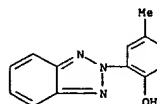
L15 ANSWER 19 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:124357 CAPLUS
 DOCUMENT NUMBER: 134:197870
 TITLE: UV-absorbing compositions containing fine capsules
 INVENTOR(S): Yoshioka, Masato; Segawa, Akihiro; Ueda, Arika; Omi, Sueko
 PATENT ASSIGNEE(S): Seiva Kasei K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JXOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001049233	A2	20010220	JP 1999-256083	19990805

AB The invention relates to a UV-absorbing compn. contg. fine capsules, e.g. microcapsules or nanocapsules, consisting of polysiloxane shell and UV-absorbent core, and a UV-scattering agent. A fine capsule aq. emulsion was prepd. from N-[2-hydroxy-3-(3'-triethoxysilyl)propoxy]propyl sericin hydrolyzates, methyltriethoxysilane (KBE-13), octyltriethoxysilane (A-137), 2-ethylhexyl p-methoxycinnamate (Uvinul MC80N), tetraethoxysilane (KBE-04), and methyltrichlorosilane (KA-13). The fine capsule emulsion was combined at 12 % with silicone-treated mica 35, silicone-treated TiO2 16, silicone-treated iron oxides 4.1, squalene 5, glycerin trioctanoate 4, and talc, preservative and fragrance q.s. to 100 % to obtain a cosmetic foundation having SPF value of 25.7.

IT 2440-22-4, 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (UV-absorbing compns. consisting of fine capsules of UV-absorbers and UV-scatters)

RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



L15 ANSWER 20 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:10443 CAPLUS
 DOCUMENT NUMBER: 134:105653
 TITLE: Sunscreens containing UV radiation reflecting or absorbing agents, protecting against harmful UV radiation and reinforcing the natural skin barrier
 INVENTOR(S): Muller, Rainer Helmut; Wissing, Sylvia; Mader, Karsten
 PATENT ASSIGNEE(S): Pharmasol G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 55 pp.
 CODEM: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001003652	A2	20010118	WO 2000-EP6534	20000710
WO 2001003652	A3	20010712		
WO 2001003652	C2	20020912		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

DE 10016155	A1	20010118	DE 2000-10016155	20000331
BR 2000012445	A	20020402	BR 2000-12445	20000710
EP 1194111	A2	20020410	EP 2000-951366	20000710
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			

PRIORITY APPLN. INFO.: DE 1999-19932156 A 19990713

AB The invention concerns sunscreens, i.e. UV radiation reflecting or absorbing agents, designed to be applied on the skin, the mucous membranes, the scalp and the hair for protection against harmful UV radiation and to reinforce the natural skin barrier. The inventive agents comprise polymorphous, cryst. or semicryst. solid polymeric or lipidic particles. Thus, a UV blocking lipid emulsion was produced by high-pressure homogenization of 10 wt./wt.% cetyl palmitate and Tego Care 450.

IT 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (UV radiation reflecting or absorbing agents, protecting against harmful UV radiation and reinforcing natural skin barrier as sunscreens)

RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 21 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:31296 CAPLUS
 DOCUMENT NUMBER: 134:90908
 TITLE: Sunscreen compositions comprising benzotriazole-containing silicones and cinnamic acid derivatives
 INVENTOR(S): Agostini, Isabelle; Arnaud, Pascal; Guillard, Sylvie
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 33 pp.
 CODEM: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001001946	A1	20010111	WO 2000-FR1696	20000620
W:	AU, BR, CA, CN, JP, US			
RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			

FR 2795638	A1	20010105	FR 1999-8568	19990702
CA 2336926	AA	20010111	CA 2000-2336926	20000620
BR 2000006185	A	20010417	BR 2000-6185	20000620
EP 1107728	A1	20010620	EP 2000-951616	20000620
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

AU 745952	B2	20020411	AU 2000-64499	20000620
US 2001041167	A1	20011115	US 2001-796636	20010302
US 6409999	B2	20020625		

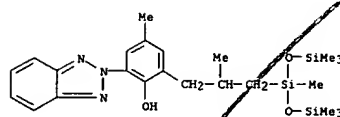
PRIORITY APPLN. INFO.: FR 1999-8568 A 19990702
 WO 2000-FR1696 W 20000620

AB The invention is characterized in that it comprises, in a cosmetically acceptable medium, in particular of the oil-in-water type, (a) at least a silicon-contg. deriv. with/benzotriazole function as first filter, and (b) as second filter, at least a cinnamic acid deriv., said first and second filters being present in said compn. in a proportion producing a synergistic activity at the desired solar protection factors. The invention also concerns their use for protecting the skin and hair against the effects of UV radiation. A sunscreen stick for lips contained microcryst. wax 5.00, glyceryl trihydroxystearate 5.00, ozokerite 3.40, polyglycerolated bees wax 2.10, acetylate lanolin 19.45, avocado 18.99, butene/isobutene copolymer 14.34, castor oil 4.81, ascorbyl palmitate 0.50, mixt. of tocopherols in soya oil (50:50) 0.31, ethyl-2-hexyl p-methoxycinnamate 0.25, and drometrisole trisiloxane 6.75 %. The sun protection factor of the compn. was 13.0.

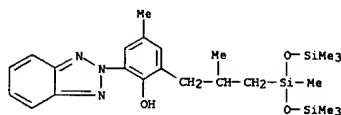
IT 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (sunscreens compns. comprising benzotriazole-contg. silicones and cinnamic acid derivs.)

RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 20 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



L15 ANSWER 21 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



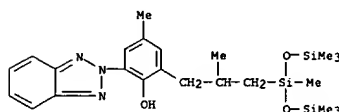
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 22 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:909681 CAPLUS
 DOCUMENT NUMBER: 134:76127
 TITLE: Cosmetic and dermatological W/O emulsions containing modified phyllosilicates
 INVENTOR(S): Gers-Barlag, Heinrich; Mueller, Anja; Grundt, Wiebke
 PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany
 SOURCE: Ger. Offen., 14 pp.
 CODEN: GWXXRX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19929475	A1	20001228	DE 1999-19929475	19990626
EP 1075834	A2	20010214	EP 2000-112994	20000621
EP 1075834	A3	20010328		

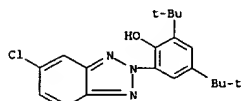
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: DE 1999-19929475 A 19990626
 AB Cosmetic or dermatol. W/O emulsions with a content of at least one modified phyllosilicate and at least one polar UV filter material and/or a polar oil component are disclosed, along with the use of at least one modified phyllosilicate to obtain or increase stability of W/O emulsions.
 IT 155633-54-8
 RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
 (UV filter; cosmetic and dermatol. W/O emulsions contg. modified phyllosilicates)
 RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyloxy)disiloxanyl]propyl]- (9CI) (CA INDEX NAME)]

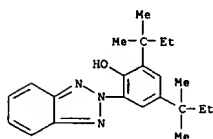


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 23 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



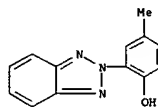
RN 25973-55-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis[(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)]



L15 ANSWER 23 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:905575 CAPLUS
 DOCUMENT NUMBER: 134:61242
 TITLE: Light-stable antiperspirant compositions containing water-insoluble powder packaged with highly-transparent material
 INVENTOR(S): Nishida, Yuichi; Udagawa, Akihiro; Shibuya, Nobuko; Watanabe, Yoji
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKKXJF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000355529	A2	20001226	JP 1999-165848	19990611

AB The package comprises a monolayer or multilayer packaging material which shows parallel light transmission. It contains a compn. contg. antiperspirants, perfumes, and water-insol. powder with sp. gr. 0.9-4.0 contained therein. The compns. are free from light-induced deterioration even though it is contained in transparent containers. A compn. contg. Zn p-phenolsulfonate 1.0, Al chlorohydrate 5.0, Zn ricinoleate 1.0, nylon powder (sp. gr. 1.02, particle size 10 .mu.m) 0.5, polyethylene powder (sp. gr. 0.92, particle size 8 .mu.m) 0.5, talc (sp. gr. 2.70, particle size 10 .mu.m) 0.5, SiO2 (sp. gr. 2.9, particle size 10 .mu.m) 0.5, a perfume prepn. 0.1, benzalkonium chloride 0.2, di-K glycyrrhetinate 0.2, 195-Pr myristate 0.5, and EtOH balance was packed in a polyacrylonitrile container in which Tinuvin 328 was kneaded. The container was exposed to sunlight by cumulative exposure 500 Langley to show slight changes in the aroma and the color of the content.
 IT 2440-22-4, Tinuvin P 3864-99-1, Tinuvin 327
 25973-55-1, Tinuvin 328
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (packaging materials contg. antiperspirant compns. contg. sp. gr.-controlled water-insol. powder as light stabilizers packaged with transparent containers)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)

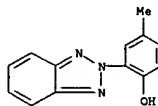


RN 3864-99-1 CAPLUS
 CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis[(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)]

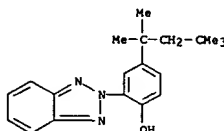
L15 ANSWER 24 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:833233 CAPLUS
 DOCUMENT NUMBER: 134:1606
 TITLE: Insecticidal compositions containing pyrethroids and benzotriazoles
 INVENTOR(S): Fukuda, Takashi; Shimizu, Tomomitsu
 PATENT ASSIGNEE(S): S. T. Chemical Co. Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000327505	A2	20001128	JP 1999-139803	19990520

OTHER SOURCE(S): MARPAT 134:1606
 AB Insecticidal compns. for clothing contain pyrethroids and benzotriazoles (I; R1 = alkyl, alkoxy; R2 = H, alkyl, II, or III; R3 and R4 = H, alkyl) to prevent the decompn. of the active ingredient under severe conditions such as direct sunlight and the attendant odor formation. Preferably, the compns. include phenolic antioxidants. Thus, filter paper was impregnated with a compn. comprising empenhrin, 2-(2'-hydroxy-5'-tert-octylphenyl)benzotriazole (Viosorb 583), and Sumilizer GA 80 (500:10:10) and left in direct sunlight. After approx. 2 wk, no odor was detected.
 IT 2440-22-4, Viosorb 520 3147-75-9, Viosorb 583
 3846-71-7, Viosorb 582 25973-55-1, Viosorb 591
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (light stabilizers; mothproofing compns. contg. pyrethroids and)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)

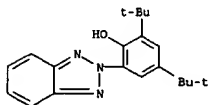


RN 3147-75-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)

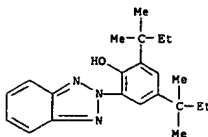


RN 3846-71-7 CAPLUS

L15 ANSWER 24 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



RN 25973-55-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 25 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:766953 CAPLUS
 DOCUMENT NUMBER: 133:300909
 TITLE: Synergistic sunscreen compositions containing a benzotriazole derivative, a bis-resorcinyol triazine derivative, and a compound with benzoazolyl or benzodiazolyl groups

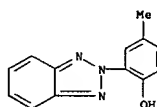
INVENTOR(S): Candau, Didier
 PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
 SOURCE: Fr. Demande, 48 pp.
 CODEN: FROXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2789581	A1	20000818	FR 1999-1731	19990212
FR 2789581	B1	20010504		
EP 1043013	A1	20001011	EP 2000-400243	20000131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000247857	A2	20000912	JP 2000-77239	20000214
US 6251373	B1	20010626	US 2000-503942	20000214
PRIORITY APPLN. INFO.			FR 1999-1731	A 19990212

OTHER SOURCE(S): MARPAT 133:300909
 AB Synergistic sunscreen compns. contg. a benzotriazole deriv., a bis-resorcinyol triazine deriv., and a compd. with benzoazolyl or benzodiazolyl groups. A sunscreen compn. contained Sinnowax AO 7, Cerasynt SDV 2, polydimethylsiloxane 1, cetyl alc. 1.5, Witconol TN 15, 2,4-bis[4-(2-ethylhexyloxy)-2-hydroxyphenyl]-6-(4-methoxyphenyl)-1,3,5-triazine 2, benzotriazole-contg. silicone 3, glycerin 15, 1,4-bis-benzimidazolyl-phenylene-3,3',5,5'-tetrasulfonic acid 2, and triethanolamine q.s. pH = 7, preservatives q.s. and water q.s. 100 g.
 IT 2440-22-4 95963-68-1 123501-65-5
 125757-49-5

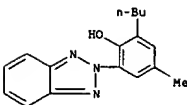
RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (synergistic sunscreen compns. contg. benzotriazole deriv., bis-resorcinyol triazine deriv., and compd. with benzoazolyl or benzodiazolyl groups)

RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)

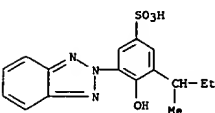


RN 95963-68-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-6-butyl-4-methyl- (9CI) (CA INDEX NAME)

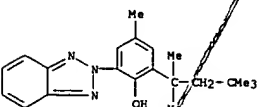
L15 ANSWER 25 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 123501-65-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



RN 125757-49-5 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 26 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:756774 CAPLUS
 DOCUMENT NUMBER: 133:322608
 TITLE: Resin composition for biodegradable moldings, films or sheets with enhanced heat resistance and weatherability

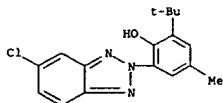
INVENTOR(S): Satani, Shoichi; Nishikata, Akira; Okuno, Hirofumi; Hashimoto, Hideaki; Wada, Nobuaki; Sano, Shigeo; Voigt, Michael; Timmermann, Ralf; Schulz-Schlitte, Wolfgang
 PATENT ASSIGNEE(S): C.I. Kasei Co. Ltd., Japan; Bayer Aktiengesellschaft
 SOURCE: PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063282	A1	20001026	WO 2000-EP3380	20000414
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000355653	A2	20001226	JP 2000-82751	20000323
JP 2000354427	A2	20001226	JP 2000-82752	20000323
JP 2000355632	A2	20001226	JP 2000-82753	20000323
JP 2001001474	A2	20010109	JP 2000-82754	20000323
JP 2001000050	A2	20010109	JP 2000-82755	20000323
JP 2000355652	A2	20001226	JP 2000-104307	20000406
JP 2001000053	A2	20010109	JP 2000-104306	20000406
EP 1173507	A1	20020123	EP 2000-925213	20000414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: JP 1999-108682 A 19990416
 JP 1999-108683 A 19990416
 JP 1999-108684 A 19990416
 JP 1999-108685 A 19990416
 JP 1999-110230 A 19990419
 JP 1999-110231 A 19990419
 JP 1999-110232 A 19990419
 WO 2000-EP3380 W 20000414

AB A resin compn. with controlled biodegradability comprises .gtoreq.1 of antioxidants, UV and visible light absorbers, quenchers of photochem. excited states and addnl. additives and .gtoreq.1 biodegradable polymer selected from aliph. or arom.-aliph. (co)polyesters, aliph. or partially arom. polyester-polyurethanes, aliph. or aliph.-arom. polyester-polyamides, polysaccharide esters, polysaccharide ether esters, and moldings, films and sheets made therefrom have improved heat resistance and weather resistance when used in outdoor applications while maintaining excellent biodegradability and compostability. The products are esp. useful as agricultural films. Thus, pellets made from a blend of an adipic acid-1,4-butanediol-epsilon-caprolactam copolymer (m.p. 137.degree.) and 10 phr Super 55 were extruded to form a 30.-mm film requiring 35 days to degrade, compared with 45 days when Super 55 was not

L15 ANSWER 26 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 blended.
 3896-11-5, Viosorb 550
 IT RL: BVU (Biological use, unclassified); MOA (Modifier or
 additive use); BIOL (Biological study); USES (Uses)
 (UV absorber; in resin compn. for biodegradable moldings, films or
 sheets with enhanced heat resistance and weatherability)
 RN 3896-11-5 CAPLUS
 CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl-
 (9CI) (CA INDEX NAME)

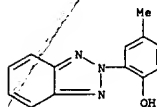


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

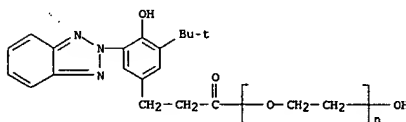
L15 ANSWER 27 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:732981 CAPLUS
 DOCUMENT NUMBER: 133:292327
 TITLE: Long-lasting animal repellents containing methyl
 anthranilate and their manufacture
 INVENTOR(S): Saito, Mitsutada; Matsuoka, Masayuki; Kojima, Shinichi
 PATENT ASSIGNEE(S): Gotech Chemical K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000290104	A2	20001017	JP 1999-99166	19990406

AB Animal repellents, useful for keeping birds and mammals away from refuse
 dumps, etc., contain Me anthranilate (I), citral (II), and
 benzotriazole-type/UV absorbers. Cats and doves were repelled for 2-3
 days after spraying of a DMSO-H₂O soln. contg. I 100, II 100, and Tinuvin
 1130 (UV absorber) 1 wt. part at approx. 1 g/m² as active ingredients.
 IT 2440-22-4, Tinuvin P 104810-48-2
 RL: BVU (Biological use, unclassified); MOA (Modifier or
 additive use); BIOL (Biological study); USES (Uses)
 (long-lasting animal repellents contg. Me anthranilate, citral, and
 benzotriazole-type UV absorbers)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



RN 104810-48-2 CAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-
 dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- (9CI) (CA
 INDEX NAME)



L15 ANSWER 27 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

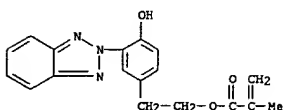
L15 ANSWER 28 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:680345 CAPLUS
 DOCUMENT NUMBER: 133:256572
 TITLE: Sunblocking polymers and their novel formulations
 INVENTOR(S): Sovak, Milos; Terry, Ronald C.; Douglass, James G.,
 III; Bakir, Farid; Brown, Jason; Cugley, Peter
 PATENT ASSIGNEE(S): Biophysica, Inc., USA
 SOURCE: U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 46,945,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6123928	A	20000926	US 1998-119836	19980721
US 5487885	A	19960130	US 1993-164881	19931209
US 5741924	A	19980421	US 1995-490316	19950614

PRIORITY APPLN. INFO.:
 US 1992-994426 B2 19921221
 US 1993-164881 A2 19931209
 US 1995-490316 A2 19950614
 US 1998-46945 B2 19980323

OTHER SOURCE(S): MARPAT 133:256572
 AB Novel polymeric biol. inert compns. and their intermediates, as well as
 sunscreen formulations comprising them and making them invisible, are
 provided for broad range protection from UV radiation. Acrylic polymers
 comprising at least two different UV absorbing moieties having different
 light absorbing ranges are employed in conjunction with other monomers to
 provide sunscreen polymers as microparticles. The polymer microparticles,
 once imbibed with carrier compds., change the refractive index, thus
 providing invisible sunscreen formulations which offer enhanced protection
 without adverse physiol. effects. A 1 L flask was charged with 30.83 g
 4-methacryloxydibenzoyl methane, 29.04 g N-[2-(4'-
 dimethylaminobenzoyl)oxypropyl] methacrylamide, 31.13 g
 4-methoxy-N-[1-(4-methacryloxyphenyl)] benzamide, 9.76 g
 2-hydroxyethylmethacrylate, 1.73 g N,N-methylene bisacrylamide, and 500 mL
 methanol. After flushing with argon, 0.951 g of 2,2'-azobisisobutyronitrile
 was added along with 250 mL of MeOH. After stirring at 60.degree. for 20
 h the sunscreen polymer was filtered, washed with methanol, and vacuum
 dried to a mass of 90.66 g. Into a ball-grinder 1.38 g of lanolin, 300 mg
 of vitamin E acetate, 1.476 g of copra oil, 180 mg of silicone wax (Dow
 Corning 2503) and 180 mg of white petrolatum were added together with 2.4
 g of the above polymer and 120 mg of titanium dioxide and were mixed at
 room temp. for 90 min to produce a sunscreen cream.
 IT 96478-09-0
 RL: BVU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (sunblocking polymers and their novel formulations)
 RN 96478-09-0 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-[3-(2H-benzotriazol-2-yl)-4-
 hydroxyphenyl]ethyl ester (9CI) (CA INDEX NAME)

L15 ANSWER 28 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

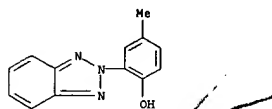
L15 ANSWER 29 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:585381 CAPLUS
 DOCUMENT NUMBER: 133:182770
 TITLE: Antiaging cosmetics containing tomato pigments
 Uehara, Shizuka; Kameyama, Kumi; Kondo, Chiharu;
 INVENTOR(S): Takada, Norihisa
 Kosei Co., Ltd., Japan; Nippon Delmonte K. K.
 PATENT ASSIGNEE(S): Jpn. Kokai Tokkyo Koho, 12 pp.
 SOURCE: CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JF 2000229827	A2	20000822	JP 1999-28301	19990205

AB The cosmetics are claimed. The tomato pigments may mainly comprise lycopene isolated by centrifugation of tomato preps., microfiltration of the liq. parts, and collection of unfiltered substances by microfiltration. The cosmetics may addnl. contain active oxygen scavengers, antioxidants, inflammation inhibitors, UV shields, cell activators, and/or moisturizers. A cream contg. the tomato pigment was used by volunteers to lighten skin and increase elasticity.

IT 2440-22-4, 2-(2-Hydroxy-5-methylphenyl)benzotriazole
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (UV shield; antiaging cosmetics contg. tomato pigments mainly comprising lycopene complexes and other active ingredients)

RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



L15 ANSWER 30 OF 63 CAPLUS COPYRIGHT 2002 ACS

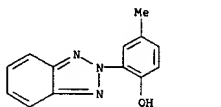
ACCESSION NUMBER: 2000:573635 CAPLUS
 DOCUMENT NUMBER: 133:182756
 TITLE: Cosmetic compositions for photoprotection of the skin and/or hair containing a benzotriazole derivative and a triazine bis-resorcinyll
 Candau, Didier
 INVENTOR(S): L'Oreal, Fr.
 PATENT ASSIGNEE(S): PCT Int. Appl., 37 pp.
 SOURCE: CODEN: FIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047176	A1	20000817	WO 2000-FR257	20000203

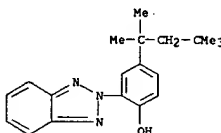
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GI, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, ME, SN, TD, TG
 FR 2789579 A1 20000818 FR 1999-1729 19990212
 FR 2789579 B1 20002021
 EP 1150649 A1 20011107 EP 2000-901711 20000203
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
 BR 2000009860 A 20020716 BR 2000-9860 20000203
 JP 2002538096 T2 20021112 JP 2000-598129 20000203
 US 2002054860 A1 20020509 US 2001-927488 20010813
 PRIORITY APPLM. INFO.: FR 1999-1729 A 19990212
 WO 2000-FR257 W 20000203

OTHER SOURCE(S): MARPAT 133:182756
 AB The invention relates to novel cosmetic compns. that can be applied topically, esp. for photoprotection of the skin and/or hair, characterized in that they comprise (a) a specific benzotriazole deriv. as a first filter and (b) a specific triazine bis-resorcinyll deriv. as a second filter in a cosmetically acceptable, e.g. oil-in-water, support (Markush structure given). The invention also relates to the application of said cosmetic compns. in order to protect the skin and hair from the effects of UV radiation. A photoprotective emulsion contained Sinnowax Ao 7, CeraSynt SD 2, cetyl alc. 1.5, polydimethylsiloxane 1, Witconol TN 15, 2,4-bis ([4-(2-ethylhexyloxy)-2-hydroxy]-phenyl)-6-(4-methoxyphenyl)-1,3,5-triazine 2, glycerin 15, a silicone benzotriazole 3, preservatives q.s., and water q.s. 100g
 IT 2440-22-4 3147-75-9 95963-68-1
 123501-65-5
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (cosmetic compns. for photoprotection of skin and/or hair contg. benzotriazole deriv. and triazine bis-resorcinyll)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)

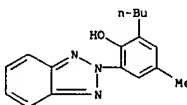
L15 ANSWER 30 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



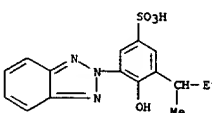
RN 3147-75-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 95963-68-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-6-butyl-4-methyl- (9CI) (CA INDEX NAME)



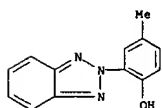
RN 123501-65-5 CAPLUS
 CN Benzenesulfonic acid, 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-(1-methylpropyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

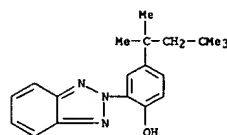
L15 ANSWER 31 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:573510 CAPLUS
 DOCUMENT NUMBER: 133:102751
 TITLE: Sunscreen compositions containing a benzotriazole derivative, and a compound containing benzoazolyte or benzodiazolyte groups
 INVENTOR(S): Caudau, Didier
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: Eur. Pat. Appl., 36 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1027882	A1	20000816	EP 2000-400246	20000131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2789578	A1	20000818	FR 1999-1728	19990212
JP 2000247856	A2	20000912	JP 2000-35998	20000214
US 6214324	B1	20010410	US 2000-503941	20000214
PRIORITY APPLN. INFO.: FR 1999-1728 A 19990212				
AB Sunscreen compns. for the protection of hair and skin contain a benzotriazole deriv., and a compd. contg. benzoazolyte or benzodiazolyte groups. A sunscreen compn contained Sinnowax AO 7, Cerasynt SD-V 2, polydimethylsiloxane 0.5, Witconol TN10, a silicone benzotriazole 2.5, glycerin 15, 1,4-bis-benzimidazolylphenylene-3,3',5,5'-tetrasulfonic acid 2, triethanolamine q.s. pH = 7, preservative q.s., and water q.s. 100 g.				
IT 2440-22-4 3147-75-9 95963-68-1				
155633-54-8				
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
(sunscreen compns. contg. benzotriazole deriv., and compd. contg. benzoazolyte or benzodiazolyte groups)				
RN 2440-22-4 CAPLUS				
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)				

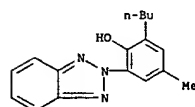


RN 3147-75-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)

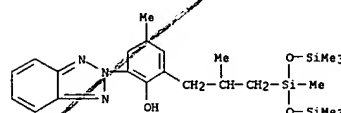
L15 ANSWER 31 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 95963-68-1 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-6-butyl-4-methyl- (9CI) (CA INDEX NAME)



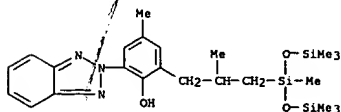
RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-(2-methyl-3-(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 32 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:573506 CAPLUS
 DOCUMENT NUMBER: 133:168183
 TITLE: Cosmetic and/or dermatological composition in the form of an oil-in-water emulsion formed by lipid vesicles dispersed in an aqueous phase containing at least one active hydrophilic acid
 INVENTOR(S): Ravoux, Danielle; Laugier, Jean-Pierre
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1027878	A1	20000816	EP 1999-403289	19991227
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2789329	A1	20000811	FR 1999-1387	19990205
FR 2789329	B1	20010302		
KR 2000057824	A	20000925	KR 2000-4263	20000128
BR 2000000613	A	20010502	BR 2000-613	20000202
JP 2000229840	A2	20000722	JP 2000-26700	20000203
US 6416768	B1	20020709	US 2000-499391	20000207
PRIORITY APPLN. INFO.: FR 1999-1387 A 19990205				
OTHER SOURCE(S): MARPAT 133:168183				
AB The title compns. are disclosed. A double-compartment bottle contained polyglyceryl-2-stearate 0.2, PEG-8 stearate 0.135, Amisoft HS-20 0.09, isocetyl stearate 0.7, equalane 1.3, and water 7.075 g. The emulsion had a viscosity of about 7 cP at 25 degrees and pH = 7.3. The top of the bottle contained 0.5 g of ascorbic acid. By addn. of the ascorbic acid to the emulsion the pH decreased to 3.3 and the viscosity increased to 850 cP at 25 degrees, forming a white cream.				
IT 155633-54-8				
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
(cosmetic and/or dermatol. compn. in form of oil-in-water emulsion formed by lipid vesicles dispersed in aq. phase contg. at least one active hydrophilic acid)				
RN 155633-54-8 CAPLUS				
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-(2-methyl-3-(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)propyl)- (9CI) (CA INDEX NAME)				



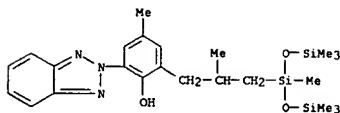
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 32 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

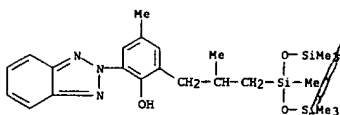
L15 ANSWER 33 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:385449 CAPLUS
 DOCUMENT NUMBER: 133:8879
 TITLE: Skin and hair photoprotective cosmetic compositions containing benzotriazole-containing silicones and triester of benzoic triacid
 INVENTOR(S): Arnaud, Pascal; Viard, Martine
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Fr. Demande, 23 pp.
 CODEN: FROXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2783712	A1	20000331	FR 1998-11946	19980924
FR 2783712	B1	20001110		
EP 997136	A1	20000503	EP 1999-401882	19990723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6103221	A	20000815	US 1999-397514	19990917
KR 2000023428	A	20000425	KR 1999-41132	19990922
CN 1249172	A	20000405	CN 1999-120234	19990923
JP 2000136110	A2	20000516	JP 1999-271398	19990924
FR 1998-11946 A 19980924				

PRIORITY APPLN. INFO.: MARPAT 133:8880
 OTHER SOURCE(S):
 AB The title comps. are disclosed. A lipstick contained a benzotriazole-contg. silicone 5, octacosanyl stearate (Kester wax 82 H) 10, and oil q.s. 100 %.
 IT 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (skin and hair photoprotective cosmetic comps. contg. benzotriazole-contg. silicones and cinnamic acid derivs.)
 RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 34 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



L15 ANSWER 34 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:385448 CAPLUS
 DOCUMENT NUMBER: 133:8879
 TITLE: Skin and hair photoprotective cosmetic compositions containing benzotriazole-containing silicones and cinnamic acid derivatives
 INVENTOR(S): Hansenne, Isabelle; Jozso, Martin; De Chabannes, Karine
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Fr. Demande, 22 pp.
 CODEN: FROXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

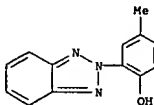
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2783711	A1	20000331	FR 1998-12042	19980925
FR 2783711	B1	20001110		
EP 1002523	A1	20000524	EP 1999-401898	19990726
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9904541	A	20001114	BR 1999-4541	19990910
AU 9948751	A1	20000330	AU 1999-48751	19990916
AU 719359	B2	20000504		
US 6143282	A	20001107	US 1999-397513	19990917
KR 2000023352	A	20000425	KR 1999-40721	19990921
CN 1250649	A	20000419	CN 1999-120253	19990924
RU 2184526	C2	20020710	RU 1999-120691	19990924
JP 2000136121	A2	20000516	JP 1999-272627	19990927
FR 1998-12042 A 19980925				

PRIORITY APPLN. INFO.: MARPAT 133:8879
 OTHER SOURCE(S):
 AB The title comps. are disclosed. A sunscreen cream contained a benzotriazole-contg. silicone 10, emulsifier 2, stearic acid 2.5, stearyl alc. 0.5, triethanolamine 0.72, moisturizer 8, sequestering agent 0.1, Pemulen TR1 0.22, polydimethylsiloxane 2, preservatives and water q.s. 100g.
 IT 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (skin and hair photoprotective cosmetic comps. contg. benzotriazole-contg. silicones and cinnamic acid derivs.)
 RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 35 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:316928 CAPLUS
 DOCUMENT NUMBER: 132:339056
 TITLE: Skin preparations for UV-induced rough skin and skin pigmentation
 INVENTOR(S): Kondo, Chiharu; Takayama, Akeni; Senoo, Masami
 PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JIKKAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000136123	A2	20000516	JP 1998-307680	19981028

AB Skin preps. for UV-induced rough skin and skin pigmentation comprise (A) metal chelators, (B) UV protectants and (C) active oxygen scavengers and/or antioxidants. An ointment contained stearic acid 18, cetanol 4, triethanolamine 2, di-Na EDTA 0.02, homomenthyl salicylate 1, .alpha.-glycosylretin 0.001 and purified water to 100 %.
 IT 2440-22-4, 2-[2-Hydroxy-5-methylphenyl]benzotriazole
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (skin preps. for UV-induced rough skin and skin pigmentation)
 RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)

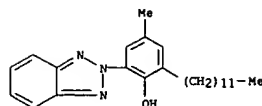


L15 ANSWER 36 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:314490 CAPLUS
 DOCUMENT NUMBER: 132:339050
 TITLE: Phenolic antioxidants in stabilization of body-care and household products
 INVENTOR(S): Huglin, Dietmar; Ehliis, Thomas; Kramer, Erich; Lupia, Joseph Anthony
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 53 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000025731	A1	20000511	WO 1999-EP7981	19991021
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914978	A	20010814	BR 1999-14978	19991021
EP 1126811	A1	20010829	EP 1999-953903	19991021
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528476	T2	20020903	JP 2000-579176	19991021
PRIORITY APPLN. INFO.: US 1998-106634P P 19981102 WO 1999-EP7981 W 19991021				

OTHER SOURCE(S): MARPAT 132:339050
 AB He use of phenolic antioxidants of the type tocopherols for stabilizing body-care and household products is described. Thus, a moisturizer cream contained passion-flower oil 8, glyceryl dioleate 4, dicapryl ether 4, iso-Pr isostearate 4, a phenolic antioxidant 0.05, EDTA 0.1, Carbomer 0.15, 10% NaOH 0.20, perfume and preservative qs and demineralized water to 100% by wt.
 IT 23328-53-2
 RL: BVU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (phenolic antioxidants in stabilization of body-care and household products)
 RN 23328-53-2 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-6-dodecyl-4-methyl- (9CI) (CA INDEX NAME)

L15 ANSWER 36 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

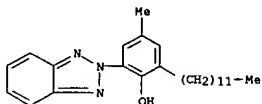
L15 ANSWER 37 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:314499 CAPLUS
 DOCUMENT NUMBER: 132:325843
 TITLE: Light stabilizers in stabilization of body-care and household products
 INVENTOR(S): Huglin, Dietmar; Ehliis, Thomas; Kramer, Erich; Lupia, Joseph Anthony; Reich, Oliver
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000025730	A1	20000511	WO 1999-EP7980	19991021
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914982	A	20010814	BR 1999-14982	19991021
EP 1135093	A1	20010826	EP 1999-953902	19991021
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528475	T2	20020903	JP 2000-579175	19991021
PRIORITY APPLN. INFO.: US 1998-106633P P 19981102 WO 1999-EP7980 W 19991021				

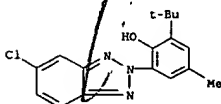
OTHER SOURCE(S): MARPAT 132:325843
 AB The use of light stabilizers e.g., benzotriazines, for protecting body-care and household products from photolytic degrdn. is described. Thus, a non-greasy lipstick contained carnauba wax 2.5, white beeswax 20.0, ozokerite 10.0, anhyd. lanolin 5.0, cetyl alc. 2.0, liq. paraffin 3.0, iso-Pr Myristate 3.0, propylene glycol ricinoleate 4.0, C.I. pigment-4 9.0, C.I. pigment-15 1.0, a benzotriazine light stabilizer 0.1 and castor oil 15 100%.
 IT 3896-11-5 23328-53-2
 RL: BVU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (light stabilizers in stabilization of body-care and household products)
 RN 3896-11-5 CAPLUS
 CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl- (9CI) (CA INDEX NAME)

L15 ANSWER 37 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 23328-53-2 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-6-dodecyl-4-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



L15 ANSWER 38 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:227472 CAPLUS
 DOCUMENT NUMBER: 132:269842
 TITLE: Compositions having a sunscreen for use in personal cleansing products
 INVENTOR(S): Tokosh, Richard; Kalafsky, Robert E.; Pechko, Andrew H.
 PATENT ASSIGNEE(S): Avon Products, Inc., USA
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

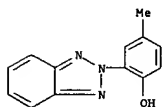
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000018367	A1	20000406	WO 1999-US22519	19990930
V: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, MY, NZ, OL, OM, OS, PA, PE, PG, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9962732	A1	20000417	AU 1999-62732	19990930
DE 19983641	T	20010830	DE 1999-19983641	19990930
PRIORITY APPLN. INFO.: US 1998-102501P P 19980930 US 1998-102692P P 19981001 WO 1999-US22519 W 19990930				

AB The present invention relates to personal cleansing compns. that provide effective sunscreen protection. The compn. is used to make personal cleansing products such as cleansing bars, face and body washes, shower gels and shampoos that provide cleansing activity and sunscreen protection. A compn. contg. sunscreen/film-former mixt. comprising Ganex V-200 5.00, Benzophenone-3 3.00, octyl methoxycinnamate 5.00, and octocrylene 7.00 wt. % was added to a cleansing base.

IT 2440-22-4, 2-(2-Hydroxy-5-methylphenyl)benzotriazole
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (personal cleansing products contg. sunscreens)

RN 2440-22-4 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

L15 ANSWER 39 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1999:717947 CAPLUS
 DOCUMENT NUMBER: 131:327326
 TITLE: Synergistic sunscreen composition
 INVENTOR(S): Allard, Delphine; Gombert, Christele
 PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
 SOURCE: Fr. Demande, 24 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2775434	A1	19990903	FR 1998-2416	19980227
FR 2775434	B1	20000919		
EP 943321	A1	19990922	EP 1998-403311	19981228
EP 943321	B1	20010411		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 200418	E	20010415	AT 1998-403311	19981228
ES 215655	T3	20010901	ES 1998-403311	19981228
AU 710077	B1	19990916	AU 1999-14710	19990203
JP 11315006	A2	19991116	JP 1999-37315	19990216
JP 3069553	B2	20000724		
BR 9900500	A	20000502	BR 1999-500	19990222
US 6171579	B1	20010109	US 1999-258852	19990226
RU 2162686	C2	20010210	RU 1999-103929	19990226
CN 1231885	A	19991020	CN 1999-102553	19990301
PRIORITY APPLN. INFO.: FR 1998-2416 A 19980227				

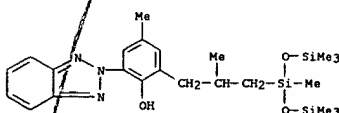
OTHER SOURCE(S): MARPAT 131:327326

AB The title compn. comprises a 1,3,5-triazine deriv., preferably Uvinul T150, and a benzotriazole silicone.

IT 155633-54-BD, mixts. with 1,3,5-triazine derivs.
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (synergistic sunscreen compns.)

RN 155633-54-B CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 38 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 40 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:612011 CAPLUS
 DOCUMENT NUMBER: 129:235420
 TITLE: Hair dye preparations comprising polymers and reducing agents
 INVENTOR(S): Malle, Gerard; Leroy, Frederic; Duvault, Yolanda
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9838974	A1	19980911	WO 1998-FR420	19980304
V: CA, JP, US				
FR 2760359	A1	19980911	FR 1997-2537	19970304
FR 2760359	B1	20000107		
EP 967963	A1	20000105	EP 1998-913822	19980304
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 2001513804	T2	20010904	JP 1998-538233	19980304
US 6361767	B1	20020326	US 1999-380459	19991122
US 2002108188	A1	20020815	US 2002-55366	20020125
PRIORITY APPLN. INFO.: FR 1997-2537 A 19970304 WO 1998-FR420 W 19980304 US 1999-380459 A3 19991122				

OTHER SOURCE(S): MARPAT 129:235420

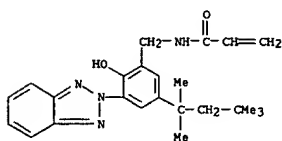
AB A method for treating hair keratin fibers to provide them with new appropriate properties, comprising the following steps: reducing the sulfur bonds of hair keratin to generate, only at the surface of the fibers at a depth less than 10 .mu.m reactive sites and in fixing covalently on said reactive sites at least one active compd. for providing the hair keratin fibers with new appropriate properties, said active compd. contg. at least a reactive function capable of reacting with said reactive sites formed at the keratin fiber surface. This method is applicable to the treatment of fibrous or non-fibrous keratin substances of human or animal origin. A lotion contg. tris(2-carboxyethyl)phosphine 14.23, hydroxyethyl cellulose 1.00, 20% ammonia q.s. pH = 6, water and 100.00 g was applied on a gray hair for 5 min., then the hair was rinsed followed by application of a compn. contg. Procion Yellow MX-8G 0.01, Procion Red MX5B 0.01, Lanazol blue 3G 0.01, hydroxyethyl cellulose 1.00, lactic acid q.s. pH = 4, and water q.s. 100.00 g. The hair was then washed, shampooed, and dried. The yellowish shade of the hair was completely removed.

IT 47658-69-5
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (hair preps. comprising polymers and reducing agents)

RN 47658-69-5 CAPLUS

CN 2-Propanamide, N-[[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-(1,1,3,3-tetramethylbutyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 40 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

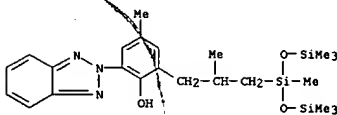
L15 ANSWER 41 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:585822 CAPLUS
DOCUMENT NUMBER: 129:193535
TITLE: Sun-protection cosmetic compositions for skin and/or hair containing synergic mixture of benzimidazole sulfonate and benzotriazole-containing silicones
INVENTOR(S): Hansenne, Isabelle
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 860165	A1	19980826	EP 1998-400113	19980121
EP 860165	B1	20000503		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2759903	A1	19980828	FR 1997-2162	19970224
FR 2759903	B1	19991210		
AT 192329	E	20000515	AT 1998-400113	19980121
ES 2149632	T3	20001101	ES 1998-400113	19980121
AU 9852989	A1	19980827	AU 1998-52989	19980209
AU 699960	B2	19981217		
BR 9800753	A	19991207	BR 1998-753	19980220
CA 2228627	AA	19980824	CA 1998-2228627	19980223
JP 10236937	A2	19980908	JP 1998-40767	19980223
JP 3023084	B2	20000321		
CN 1201657	A	19981216	CN 1998-107078	19980223
RU 2143885	C1	20000110	RU 1998-104460	19980223
US 6030629	A	20000229	US 1998-28359	19980224
PRIORITY APPLN. INFO.: FR 1997-2162 A 19970224				

OTHER SOURCE(S): MARPAT 129:193535
AB The title compns. are claimed (Markush structures given). A sunscreen emulsion contained a benzotriazole-contg. silicone 2.5, Arlacel 165 1.5, Stearin TP 2.75, Lorol C16 0.5, Finsolv TN 15, triethanolamine 0.45, Eusolex 232 (2-phenylbenzimidazole-5-sulfonic acid) 2.5, amphisol K 1, Carbopol 980 0.3, moisturizer 5, preservatives q.s., and water q.s. 100%. The sun protection factor of the emulsion was 17.8.
IT 155633-54-B
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(sun-protection cosmetic compns. for skin and/or hair contg. synergic mixt. of benzimidazole sulfonate and benzotriazole-contg. silicones)
RN 155633-54-8 CAPLUS
CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (SCI) (CA INDEX NAME)

L15 ANSWER 41 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

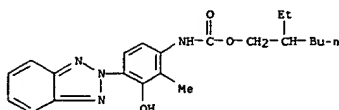
L15 ANSWER 42 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:385492 CAPLUS
DOCUMENT NUMBER: 129:58585
TITLE: Use of selected benzotriazole derivatives for protecting human and animal skin and hair from the harmful effects of UV radiation
INVENTOR(S): Luther, Helmut; Reinehr, Dieter; Zink, Rudolf
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.; Luther, Helmut; Reinehr, Dieter; Zink, Rudolf
SOURCE: FCT Int. Appl., 26 pp.
CODEN: PIXX02
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

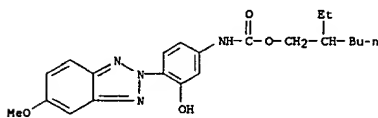
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9823252	A1	19980604	WO 1997-EP6330	19971113
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9855521	A1	19980622	AU 1998-55521	19971113
AU 722305	B2	20000727		
EP 941052	A1	19990915	EP 1997-951895	19971113
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1238677	A	19991215	CN 1997-199973	19971113
BR 9713398	A	20000125	BR 1997-13398	19971113
JP 2001505566	T2	20010424	JP 1998-524212	19971113
US 6201000	B1	20010313	US 1999-308423	19990518
PRIORITY APPLN. INFO.: CH 1996-2885 A 19961122				
WO 1997-EP6330 W 19971113				

OTHER SOURCE(S): MARPAT 129:58585
AB The benzotriazole derivs. I (R1, R2, R3 = H, alkyl, HO, carbonyl, carboalkoxy, NO2, alkylcarbonylamino, cyloalkyl, carbamoyl, sulfonyl, sulfamoyl, sulfonamido, alkylcarbonyloxy, cyano, halo, (un)substituted aryl, heteroaryl; R1 and R2 may for a benzene ring; R4 = H, (un)substituted alkyl; R5, R6, R7 = H, halo, cyano, alkyl, alkoxy, aryl, thioalkyl, alkylamino, dialkylamino, arylamino, diarylamino; X = CO2, SO2, L = 1-20 divalent radical) were prepd. These compds. are distinguished by having good substantivity for human hair while at the same time effectively protecting hair and skin against UV radiation. Thus, o-nitroaniline was diazotized and coupled with 3-amino-o-cresol followed by reductive cyclization and reaction with 2-ethylhexyl chloroformate to give the benzotriazole II. A cosmetic sunscreen was formulated from II with a VVA/UVB ratio of 1.23.
IT 208645-26-5P 208645-28-7P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(benzotriazole derivs. for protecting human and animal skin and hair from harmful effects of UV radiation)
RN 208645-26-5 CAPLUS
CN Carbamic acid, [4-(2H-benzotriazol-2-yl)-3-hydroxy-2-methylphenyl]-, 2-ethylhexyl ester (SCI) (CA INDEX NAME)

L15 ANSWER 42 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 208645-28-7 CAPLUS
 CN Carbamic acid, [3-hydroxy-4-(5-methoxy-2H-benzotriazol-2-yl)phenyl]-, 2-ethylhexyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 43 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:221012 CAPLUS
 DOCUMENT NUMBER: 128:274872
 TITLE: Liposomogenic UV absorbers
 INVENTOR(S): Luther, Helmut; Hueglin, Dietmar; Hochberg, Robert
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: Eur. Pat. Appl., 33 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 834304	A2	19980408	EP 1997-810641	19970909
EP 834304	A3	20020123		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1179146	A	19980415	CN 1996-192625	19960307
AU 9737574	A1	19980319	AU 1997-37574	19970915
AU 736961	B2	20010809		
US 6017556	A	20000125	US 1997-931392	19970916
JP 10101533	A2	19980421	JP 1997-251655	19970917

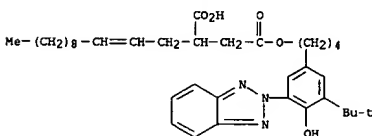
PRIORITY APPLN. INFO.: MARPAT 128:274872
 OTHER SOURCE(S):

AB Liposomogenic UV absorbers [AlmQpWq(Z2rA2n)]s2lt (m, n = 0-4, provided both are not 0; p, t = 1, 2; q = 0-3; r = 0, 1; s = 1-3) are prepd. which contain a hydrophilic head group (Z), an org. spacer group (W), a UV chromophore (Q), and .gtoreq.1 hydrophobic tail group (A). These compds. self-assemble into bimol. layers which penetrate into the horny layer of the hair, where they are very resistant to washing out; they are therefore useful in sunscreen compns. for protection of the hair from damage by UV radiation. Thus, 4-dodecyloxybenzoic acid was esterified with N-methyldiethanolamine and the product was quaternized with Me2SO4 to produce bis[2-[3-(4-dodecyloxyphenyl)acryloyloxy]ethyl]dimethylammonium methosulfate (I). Mixing a soln. of I in N-methylpyrrolidone with 9 vols. 0.9% aq. NaCl soln. resulted in spontaneous formation of liposomes, which were concd. and freed of N-methylpyrrolidone by diafiltration.

IT 183617-10-9P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (liposomogenic UV absorbers)

RN 183617-10-9 CAPLUS
 CN Butanedioic acid, 2-dodecenyl-, 4-[4-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]butyl] ester (9CI) (CA INDEX NAME)

L15 ANSWER 43 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



L15 ANSWER 44 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:76529 CAPLUS
 DOCUMENT NUMBER: 128:93004
 TITLE: Suntanning compositions containing dihydroxyacetone and benzotriazole-containing siloxanes
 INVENTOR(S): Ascione, Jean Marc
 PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
 SOURCE: Fr. Demande, 20 pp.
 CODEN: FROXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2746312	A1	19970926	FR 1996-3624	19960322
FR 2746312	B1	19980430		

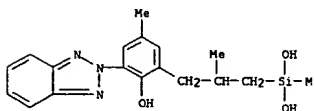
AB Suntanning compns. contain dihydroxyacetone (I) and benzotriazole-contg. siloxanes (Markush structure given). An emulsion contained a benzotriazole-contg. siloxane 10, 1.5, Montanov-68 7.5, Silbione-70047 V300 0.5, isohexadecane 10, DC-245 fluid 10, vitamin E acetate 1, glycerin 5, ditertibutyl-4-hydroxytoluene 0.05, and preservatives and water q.s. 100%.

IT 201028-88-8D, trimethylsilyl terminated
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (suntanning compns. contg. dihydroxyacetone and benzotriazole-contg. siloxanes)

RN 201028-88-8 CAPLUS
 CN Silanediol, [3-[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-methylphenyl]-2-methylpropyl]methyl-, homopolymer (9CI) (CA INDEX NAME)

CH 1

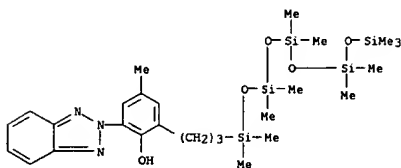
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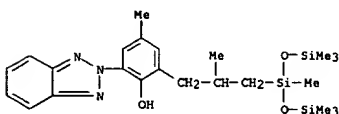
L15 ANSWER 45 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:668041 CAPLUS
 DOCUMENT NUMBER: 127:298551
 TITLE: Use of benzotriazole-containing silicones for reducing the photobleaching of cosmetic compositions comprising titanium oxide pigments
 INVENTOR(S): Ascione, Jean-Marc
 PATENT ASSIGNEE(S): L'Oreal S. A., Fr.
 SOURCE: Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 796613	A1	19970924	EP 1997-400484	19970303
EP 796613	B1	19990224		
FR 2746311	A1	19970926	FR 1996-3623	19960322
FR 2746311	B1	19980417		
ES 2131426	T3	19990716	ES 1997-400484	19970303
CA 2200773	AA	19970922	CA 1997-2200773	19970321
JP 10007526	A2	19980113	JP 1997-68666	19970321
CN 1180084	A	19980429	CN 1997-110934	19970321
US 5788973	A	19980804	US 1997-822647	19970324

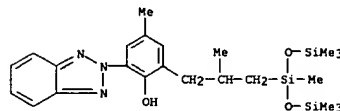
PRIORITY APPLN. INFO.: FR 1996-3623 19960322
 AB Benzotriazole-contg. silicones (Markush structure given) are used for reducing the photobleaching of cosmetic compns. comprising titanium oxide pigments. A cosmetic emulsion contained silicone benzotriazole 5, Sinnovax AO 7, glycerol monostearate 2, cetyl alc. 1.5, and Finsolv TN 15, Silbione 70047 V300 1.5, titanium oxide 5, glycerin 20, preservatives q.s. and water q.s. 1001.
 IT 131912-84-0 155633-54-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (use of benzotriazole-contg. silicones for reducing photobleaching of cosmetic compns. comprising titanium oxide pigments)
 RN 131912-84-0 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[3-(undecamethylpentasiloxanyl)propyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 46 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:418066 CAPLUS
 DOCUMENT NUMBER: 127:99498
 TITLE: Silatriazole as anti-UVA and UVB compound
 AUTHOR(S): Anon.
 CORPORATE SOURCE: Fr.
 SOURCE: Informations Chimie (1997), 389, 147-149
 CODEN: INFCA8; ISSN: 0020-045X
 PUBLISHER: Societe d'Expansion Technique et Economique
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: French
 AB A review with no refs. The implication of UVA as well as UVB in skin cancer has recently been established, and is clearly a result of considerable importance. Consequently the synthesis of a compd. capable of filtering out both types of UV radiation is nothing short of a scientific revolution. It is this major step forward that L'Oreal has made by the synthesis of OR 10154, or silatriazole. After having already developed the UVA filter Mexoryl SX 10 yr ago, the group has once again shown its advanced research and development in a field where its global leadership is even further reinforced.
 IT 155633-54-8, OR 10154
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (silatriazole as anti-UVA and UVB compd.)
 RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)



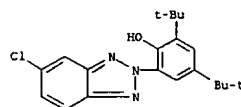
L15 ANSWER 45 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 RN 155633-54-8 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]- (9CI) (CA INDEX NAME)



L15 ANSWER 47 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:630398 CAPLUS
 DOCUMENT NUMBER: 125:269855
 TITLE: Blood separating agent and tube
 INVENTOR(S): Hashimoto, Sueyuki; Sato, Shinichi; Kuwabara, Masami
 PATENT ASSIGNEE(S): Toyo Ink Mfg Co, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JXOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08211046	A2	19960820	JP 1994-264921	19951023

PRIORITY APPLN. INFO.: JP 1994-264921 19941028
 AB Disclosed is blood sepg. agent that can prevent color changing, viscosity and d. lowering. The blood sepg. agent compn. comprises Cl-contg. resin, antioxidant, and photo-stabilizing agent. In example, blood sepg. agent comprising Cl-contg. propylene-1-butene copolymer, IRGANOX1076, MARK LA-57, ADK Cizer O-130S, pentalyne H, and bentonite was prepd. and tested.
 IT 3864-99-1, TINUVIN 327
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (blood sepg. agent compn. comprises Cl-contg. resin and antioxidant and photo-stabilizing agent and tube)
 RN 3864-99-1 CAPLUS
 CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

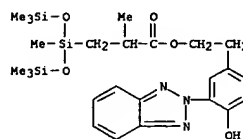


L15 ANSWER 48 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:410463 CAPLUS
 DOCUMENT NUMBER: 125:67188
 TITLE: Sunscreens compositions containing benzotriazole
 organosilane derivatives
 INVENTOR(S): Richard, Hervé; Leduc, Madeleine; Lagrange, Alain
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Eur. Pat. Appl., 12 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 711779	A1	19960515	EP 1995-402228	19951005
EP 711779	B1	19980128		
FR 2726562	A1	19960510	FR 1994-13395	19941108
FR 2726562	B1	19961227		
AT 162792	E	19980215	AT 1995-402228	19951005
ES 2117368	T3	19980801	ES 1995-402228	19951005
AU 9534236	A1	19960516	AU 1995-34236	19951016
AU 679391	B2	19970626		
ZA 9508886	A	19960509	ZA 1995-8886	19951020
BR 9504902	A	19970902	BR 1995-4902	19951031
RU 2133119	C1	19990720	RU 1995-119429	19951103
CA 2162330	AA	19960509	CA 1995-2162330	19951107
CA 2162330	C	19981117		
JP 08208668	A2	19960813	JP 1995-289006	19951107
JP 2885672	B2	19990426		
HU 74042	A2	19961028	HU 1995-3194	19951107
CN 1135487	A	19961113	CN 1995-120380	19951107
CN 1047779	B	19991229		
PL 181264	B1	20010629	PL 1995-311263	19951107
US 5610257	A	19970311	US 1995-555046	19951108
US 5714134	A	19980203	US 1996-758300	19961203
PRIORITY APPLN. INFO.:			FR 1994-13395 A	19941108
			US 1995-555046 A3	19951108

OTHER SOURCE(S): MARPAT 125:67188
 AB The title compns. (Markush structure given) are used in sunscreens for the protection of the skin against UV light (UV-A and UV-B). A benzotriazole triorganosilane deriv. was prepd. by reaction of 2-(2'-hydroxy-5-methylacryloxyethylphenyl)-2H-benzotriazole in toluene with heptamethyltrisiloxane for 67 h at 80.degree. in the presence of a hydrosilylation catalyst. A sunscreen cream contained above benzotriazole triorganosilane deriv. 5, Sinnovax AO 7, a mixt. of glycerol mono- and distearate 2, cetyl alc. 1.5, Finsolv TN 20, polydimethylsiloxane 1.5, glycerin 17.5, fragrance q.s., and water q.s. 100 g.
 IT 178430-54-1P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (sunscreens compns. contg. benzotriazole organosilane derivs.)
 RN 178430-54-1 CAPLUS
 CN Propanoic acid, 2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl)-, 2-[3-(2H-benzotriazol-2-yl)-4-

L15 ANSWER 48 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 hydroxyphenyl]ethyl ester (9CI) (CA INDEX NAME)



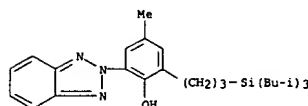
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L15 ANSWER 49 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:410462 CAPLUS
 DOCUMENT NUMBER: 125:67187
 TITLE: Sunscreens compositions containing benzotriazole
 triorganosilane derivatives
 INVENTOR(S): Richard, Hervé; Leduc, Madeleine; Lagrange, Alain
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

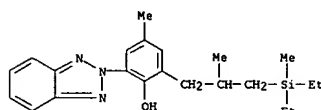
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 711778	A1	19960515	EP 1995-402227	19951005
EP 711778	B1	19971210		
FR 2726561	A1	19960510	FR 1994-13394	19941108
FR 2726561	B1	19961213		
AT 161014	E	19971215	AT 1995-402227	19951005
ES 2113164	T3	19980416	ES 1995-402227	19951005
AU 9534237	A1	19960516	AU 1995-34237	19951016
AU 679647	B2	19970703		
ZA 9508885	A	19960509	ZA 1995-8885	19951020
BR 9504901	A	19970902	BR 1995-4901	19951030
RU 2125057	C1	19990120	RU 1995-119421	19951103
CA 2162329	AA	19960509	CA 1995-2162329	19951107
JP 08208665	A2	19960813	JP 1995-289005	19951107
JP 2885671	B2	19990426		
HU 73821	A2	19960930	HU 1995-3192	19951107
CN 1135486	A	19961113	CN 1995-120379	19951107
CN 1052007	B	20000503		
PL 181422	B1	20010731	PL 1995-311262	19951107
US 5569451	A	19961029	US 1995-555334	19951108
PRIORITY APPLN. INFO.:			FR 1994-13394 A	19941108

OTHER SOURCE(S): MARPAT 125:67187
 AB Sunscreen compns. contg. benzotriazole triorganosilane derivs. (I: n = 0-3; R1 = Cl-8 alkyl; R2 = H, Cl-4 alkyl; R3 = Cl-8 alkyl, Ph; p = 0-10) are used for protection of skin against UV rays (UV-A and UV-B). A benzotriazole triorganosilane deriv. I (n = 1, R1 = Me, R2 = H, R3 = iso-Bu, p = 1) was prepd. by reacting 2-allyl-6-benzotriazole-2-yl-4-methylphenol with tri-isobutylsilane in presence of a hydrosilylation catalyst at 90.degree. under N. A sunscreen cream contained II 5, Sinnovax AO 7, a mixt. of glycerol mono- and distearate 2, cetyl alc. 1.5, Finsolv TN 20, polydimethylsiloxane 1.5, glycerin 17.5, perfumes q.s., and water q.s. 100 g.
 IT 178430-52-9P 178430-53-0P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (sunscreens compns. contg. benzotriazole triorganosilane derivs.)
 RN 178430-52-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-[3-(tris(2-methylpropyl)silyl)propyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 49 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 178430-53-0 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-6-[3-(diethylmethylsilyl)-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)

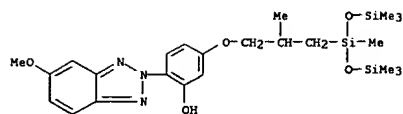


L15 ANSWER 50 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:397135 CAPLUS
 DOCUMENT NUMBER: 125:60458
 TITLE: Siloxane-based solar filters for use in cosmetic sunscreens
 INVENTOR(S): Richard, Hervé; Leduc, Madeleine; Lagrange, Alain
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

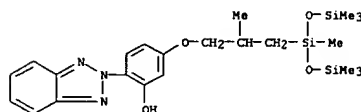
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 708108	A1	19960424	EP 1995-402038	19950908
EP 708108	B1	19971112		
FR 2725448	A1	19960412	FR 1994-12004	19941007
FR 2725448	B1	19970103		
AT 160148	E	19971115	AT 1995-402038	19950908
ES 2112029	T3	19980316	ES 1995-402038	19950908
AU 9531700	A1	19960418	AU 1995-31700	19950918
AU 682624	B2	19971009		
ZA 9507841	A	19960514	ZA 1995-7841	19950918
CA 2160073	AA	19960408	CA 1995-2160073	19951006
CN 1126725	A	19960717	CN 1995-118640	19951006
JP 08188581	A2	19960723	JP 1995-260573	19951006
JP 2885669	B2	19990426		
HU 73748	A2	19960930	HU 1995-2926	19951006
BR 9504792	A	19961022	BR 1995-4792	19951006
US 5663270	A	19970902	US 1995-541983	19951010
US 5962484	A	19991005	US 1997-832678	19970409
AU 9744338	A1	19980115	AU 1997-44338	19971105
AU 697458	B2	19981008		
PRIORITY APPLN. INFO.:			FR 1994-12004	19941007
			US 1995-541983	19951010

OTHER SOURCE(S): MARPAT 125:60458
 AB Solar filters with good UV absorption and soly. in fatty materials are siloxanes of specified structure bearing 2-(2-hydroxyphenyl)benzotriazole groups. Coupling diazotized 4-methoxy-2-nitroaniline with resorcinol gave 74% 4-[(4-methoxy-2-nitrophenyl)azo]-1,3-benzenediol, reaction of which with methallyl chloride in the presence of K₂CO₃ gave 49% monomethallyl ether, redn. of the nitro group of which and cyclization gave 65% 2-(5-methoxybenzotriazol-2-yl)-5-(methallyloxy)phenol (I). Pt-catalyzed reaction of I with 1,1,1,3,3,5,5-heptamethyltrisiloxane gave the trisiloxane deriv. of I having a UV absorption max. at 349 nm (epsilon max 27,200). Formulation of this compd. in a sunscreen lotion is exemplified.
 IT 178257-91-5P 178257-93-7P
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (siloxane-based solar filters for use in cosmetic sunscreens)
 RN 178257-91-5 CAPLUS
 CN Phenol, 2-(5-methoxy-2H-benzotriazol-2-yl)-5-[2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propoxy]- (9CI) (CA INDEX

L15 ANSWER 50 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)
 NAME)



RN 178257-93-7 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-5-[2-methyl-3-[(1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propoxy]- (9CI) (CA INDEX NAME)

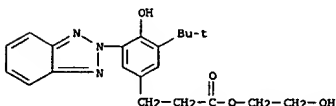
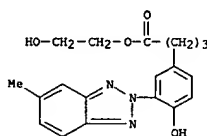


L15 ANSWER 51 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:121045 CAPLUS
 DOCUMENT NUMBER: 124:176110
 TITLE: Preparation of benzotriazole derivatives as UV absorbers
 INVENTOR(S): Miura, Tsutomu; Taniguchi, Toshiro
 PATENT ASSIGNEE(S): Kuraray Co, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07267937	A2	19951017	JP 1994-62884	19940331

OTHER SOURCE(S): MARPAT 124:176110
 AB Benzotriazole deriva. [I], R1, R2 = H, halo, org. radical; R3, R4 = alkylene], useful as UV-absorbing polymer compns., are prepd. Coupling of 2-O₂NC₆H₄N₂+ Cl- (prepn. given) with phenol compd. II in aq. NaOH at 0-5.degree. gave 64% nitrophenylazo intermediate, which was dissolved in 2N NaOH and treated with Zn powder at < 40.degree. and then stirred with concd. HCl to pH 1-2 at 30.degree. to give I (R1 = 3-NO₂, R2 = 3'-tert-Bu, R3 = R4 = CH₂CH₂) (III). A polyethylene terephthalate polyester contg. 0.9 wt.% III was made into fibers showing 2.8% transmittance of UV, vs. 78.3% of a control. The same polymer was made into a bottle for edible oil to show no color change of the content, vs. discoloration of a control.
 IT 147287-04-5P 173666-11-0P
 RL: BUU (Biological use, unclassified); MCA (Modifier or additive use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of benzotriazole deriva. as UV absorbers)
 RN 147287-04-5 CAPLUS
 CN Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-[(1,1-dimethylethyl)-4-hydroxy-, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)

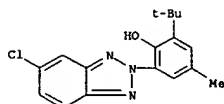
L15 ANSWER 51 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 173666-11-0 CAPLUS
 CN Benzenebutanoic acid, 4-hydroxy-3-(5-methyl-2H-benzotriazol-2-yl)-, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)

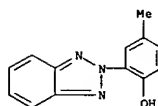
L15 ANSWER 52 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:113547 CAPLUS
 DOCUMENT NUMBER: 124:144297
 TITLE: Prevention of photooxidation of edible oil
 INVENTOR(S): Yokomizo, Kazuhisa; Etsuno, Naomi
 PATENT ASSIGNEE(S): Ajinomoto Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JXXXXF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07322819	A2	19951212	JP 1994-140959	19940531
AB	The concn. of chlorophyll in oils such as soybean oil, rapeseed oil, and olive oil is controlled to req. 0.1 ppm, and the oil is packed in containers contg. a UV light absorbent (e.g. 2-(3-t-butyl-5-methyl-2-hydroxyphenyl)-5-chlorobenzotriazole) which prevents effects of light on oil or auto-oxidn. of the oil.				
IT	3896-11-5 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (in prevention of photooxidn. of edible oil)				
RN	3896-11-5 CAPLUS				
CN	Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl- (9CI) (CA INDEX NAME)				



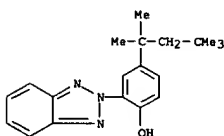
L15 ANSWER 53 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:82856 CAPLUS
 DOCUMENT NUMBER: 124:155692
 TITLE: Sunscreen cosmetics containing siloxanes having cinnamoyl group
 INVENTOR(S): Yoshida, Masashi; Umishio, Kenichi; Uehara, Keiichi
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JXXXXF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07267842	A2	19951017	JP 1994-80884	19940328
AB	The cosmetics contain silicone cinnamate derivs. having .gtoreq.1 structural unit I (R1 = Cl-4 alkyl, Ph, OSiMe3; R2 = C.gtoeq.2 hydrocarbylene which may contain heteroatom O; X = alkoxy; n = 0-3; a = 2-3) and optional O(4-m)/251R3m (R3 = Cl-4 alkyl, Ph, OSiMe3; m = 0-3) and UV-absorbing agents and/or UV-scattering agents other than the above silicone cinnamate derivs. The cosmetics show high resistance to water and oil and effectively shield UV radiation. Decamethylcyclopentasiloxane 46.0, dimethylpolysiloxane 20.0, methylphenylpolysiloxane 20.0, silicones 8.0, 3,4,5-(MeO)3C6H2CH:CHCO2CHMeCH2CH2SiMe(OSiMe3)2 4.0, and octyl salicylate 2.0 wt.% were mixed to give a sunscreen oil.				
IT	2440-22-4, 2-(2-Hydroxy-5-methylphenyl)benzotriazole 3147-75-9 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (sunscreen cosmetics contg. siloxane cinnamoyl derivs. and the other UV-absorbing or scattering agents)				
RN	2440-22-4 CAPLUS				
CN	Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)				



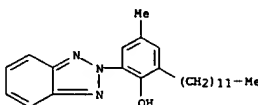
RN 3147-75-9 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)

L15 ANSWER 53 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



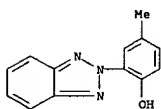
L15 ANSWER 54 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:38910 CAPLUS
 DOCUMENT NUMBER: 124:126893
 TITLE: Sunscreen cosmetics containing microcapsules of UV-absorbing agents
 INVENTOR(S): Okauchi, Kazuki; Mando, Ritsuo; Miura, Yoshiaki; Ishida, Kazuhiko
 PATENT ASSIGNEE(S): Shinogi Seishi Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JXXXXF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07267841	A2	19951017	JP 1994-64210	19940331
AB	In cosmetics contg. microencapsulated UV-absorbing agents, the UV-absorbing agents are liq. or amorphous, the wall material of the microcapsules is polyurea/polyurethane, particle size of the microcapsules is 0.1-10 .mu.m, and the microcapsules contain 20-95 wt.% of the wall material. The microcapsules effectively protect the skin against UV radiation-induced damage. A soln. contg. AcOEt, 2-(2-hydroxy-3-dodecyl-5-methylphenyl)benzotriazole (I) and Takenate D 110N was emulsified with an aq. soln. of PVA 217, and the dispersion obtained was treated with H2O under stirring to give microcapsules with av. particle size 1.2 .mu.m. A compn. contg. the microcapsules, emulsifiers, and oils was emulsified with an aq. phase contg. CMC, Kaolin, etc. to give a sunscreen lotion. SPF value of the lotion was 6.0, vs. 5.5 for a control contg. no encapsulated I.				
IT	23328-53-2, 2-(2-Hydroxy-3-dodecyl-5-methylphenyl)benzotriazole RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (sunscreen cosmetics contg. polyurea/polyurethane-encapsulated UV absorbers)				
RN	23328-53-2 CAPLUS				
CN	Phenol, 2-(2H-benzotriazol-2-yl)-6-dodecyl-4-methyl- (9CI) (CA INDEX NAME)				



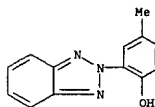
L15 ANSWER 55 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:922154 CAPLUS
 DOCUMENT NUMBER: 123:349849
 TITLE: Rinse-type UV-shielding hair cosmetics
 INVENTOR(S): Imaki, Yoriiko; Miyamoto, Nobuo
 PATENT ASSIGNEE(S): Lion Corp, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07228510	A2	19950829	JP 1994-20514	19940217
AB	The tittle hair cosmetics contain (A) UV absorbers, (B) esters of C.gtoresq.9 alcs. or alc. condensates with acids, (C) water-sol. polymers, and (D) cationic surfactants and/or mono-N-higher acyl basic amino acids lower alkyl ester salts. The hair cosmetics prevent UV-induced hair color changes and dry hair. Hair appeared soft after treatment. As an example, a hair rinse contained dihydroxybenzophenone 0.05, 4-tert-butyl-4'-methoxydibenzoylmethane 0.1, isostearyl myristate 1.0, XM 503LN 1.0, N-cocoyl-L-arginine ester DU-pyrrolidonecarboxylic acid salt 1.0, stearyl alc. 3.0, ethoxylated hydrogenated castor oil 1.0, propylene glycol 5.0, and H2O to 100 wt. %.			
IT	2440-22-4, 2-(2-Hydroxy-5-methylphenyl)benzotriazole RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (rinse-type hair preps. contg. UV absorbers, esters, water-sol. polymers, and cationic surfactants or N-acyl basic amino acid ester salts)			
RN	2440-22-4 CAPLUS			
CN	Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)			



L15 ANSWER 56 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:879197 CAPLUS
 DOCUMENT NUMBER: 123:296239
 TITLE: Hair preparations containing vinylpyrrolidone copolymers and UV absorbers
 INVENTOR(S): Nagamatsu, Hiroko; Maekawa, Akio; Kinami, Masaki; Doi, Masayuki
 PATENT ASSIGNEE(S): Sunstar Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07196457	A2	19950801	JP 1993-352002	19931229
AB	Hair preps., which protect hair from UV, contain copolymers of vinylpyrrolidone (I) and dialkylaminoalkyl methacrylates and UV absorbers. P-aminobenzoic acid 0.001, dimethylaminoethyl methacrylate-I copolymer 0.01, EtOH 30.0, and H2O to 100% were mixed to give a hair prep.			
IT	2440-22-4, 2-(2-Hydroxy-5-methylphenyl)benzotriazole RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (hair preps. contg. methacrylate-vinylpyrrolidone copolymers and UV absorbers)			
RN	2440-22-4 CAPLUS			
CN	Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)			

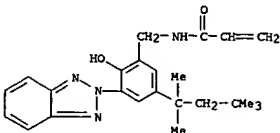


L15 ANSWER 57 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:813092 CAPLUS
 DOCUMENT NUMBER: 123:208454
 TITLE: Cosmetic or dermatologic composition containing an aqueous dispersions of solid particles of sunscreen-homopolymers
 INVENTOR(S): Mondet, Jean; Mougin, Nathalie
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 666075	A1	19950809	EP 1995-400043	19950110
EP 666075	B1	19990407		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
FR 2714827	A1	19950713	FR 1994-162	19940110
FR 2714827	B1	19960322		
CA 2139617	AA	19950711	CA 1995-2139617	19950105
JP 07206653	A2	19950808	JP 1995-1881	19950110
JP 2872602	B2	19990317		
AT 178482	E	19990415	AT 1995-400043	19950110
ES 2131779	T3	19990801	ES 1995-400043	19950110
PRIORITY APPL. INFO.			FR 1994-162	19940110
AB	Cosmetic or dermatol. compns. contain an aq. dispersion of solid particles of sunscreen-homopolymers (Markush structure given) having av. diam. of 10-400nm, and UV absorption at 280-400 nm. A sunscreen cream contained Montanov-68 S, DC 245 Fluid 20, a dispersion of [(acrylamidomethyl-4'-benzylidene)-3]camphor homopolymer (av. diam. 133 nm) 24, glycerin 3, preservatives q.s. and water 100 g.			
IT	163923-96-4 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (cosmetic or dermatol. compn. contg. aq. dispersions of solid particles of sunscreen-homopolymers)			
RN	163923-96-4 CAPLUS			
CN	2-Propenamide, N-[[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-(1,1,3,3-tetramethylbutyl)phenyl]methyl]-, homopolymer (9CI) (CA INDEX NAME)			

CH 1

CRN 47658-69-5
 CMF C24 H30 N4 O2



L15 ANSWER 57 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

L15 ANSWER 58 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:621782 CAPLUS
 DOCUMENT NUMBER: 123:17490
 TITLE: Sunscreens containing perfluorocarbons
 INVENTOR(S): Bollens, Eric; Mahieu, Claude
 PATENT ASSIGNEE(S): Oreal S. A., Fr.
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPOXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 652210	A1	19950510	EP 1994-402539	19941109
EP 652210	B1	19970813		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
FR 2712287	A1	19950519	FR 1993-13462	19931110
FR 2712287	B1	19960119		
AT 156810	Z	19970815	AT 1994-402539	19941109
PRIORITY APPL. INFO.:			FR 1993-13462	19931110

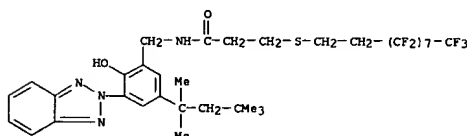
OTHER SOURCE(S): MARPAT 123:17490

AB Sunscreens contain perfluorocarbons RF(CH₂)_nS(CH₂CH(X))_p-H [RF = C₄-10 perfluoroalkyl radical; n = 0-4; p = 1-10; X = -CONHCH₂Y (Y = an arom. radical absorbing UV at 280-400 nm)]. A soln. of 122 g of [2-(2'-hydroxy 3'-acrylamidomethyl 5'-tert-octyl phenyl)]2H-benzotriazole in 800 mL MeOH was heated to 50.degree. under N and mixed with 151.2 g 2-fluorooctylethanol and 2.5 g of benzyltrimethylammonium hydroxide and refluxed for 6 h to obtain [2-(2'-hydroxy 3'-perfluorooctylethylthiopropinamidomethyl 5'-tert-octyl phenyl)]2H-benzotriazole (I) which was sepd. and purified. A cream contained Sinnowax AO 7, a mixt. of glycerol mono- and distearate 2, cetyl alc. 1.5, Silicone DC 200-350 1.5, 1-(2-fluorohexyethylthio)3-(2'-ethylhexyloxy)2-2-propanol 20, I 1.4, glycerin 15, preservative q.s., and water q.s. 100 g.

IT 163923-94-2P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (sunscreens contg. fluorohydrocarbon)

RN 163923-94-2 CAPLUS

CN Propanamide, N-[[3-(2H-benzotriazol-2-yl)-2-hydroxy-5-(1,1,3,3-tetramethylbutyl)phenyl]methyl]-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]- (9CI) (CA INDEX NAME)



L15 ANSWER 59 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:217034 CAPLUS
 DOCUMENT NUMBER: 122:16853
 TITLE: Immobilized UV absorbers and manufacture of the UV absorbers
 INVENTOR(S): Kanamaru, Tetsuya; Suhara, Tsuneo; Fukui, Hiroshi; Yamaguchi, Michihiro
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

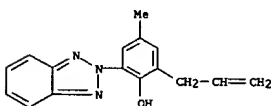
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06239732	A2	19940830	JP 1993-243610	19930903
PRIORITY APPL. INFO.:			JP 1992-357487	19921224

AB Immobilized UV absorbers, contg. UV absorbers bound to the parts derived from solids coated with silicone polymers contg. SiH groups, are manufd. by reaction of vinyl group- and allyl group-contg. UV absorbers with the SiH groups of the solids coated with silicone polymers contg. SiH groups. The UV absorbers are safe and useful for cosmetics, coatings, containers, etc. TiO₂ (20 g) particles were coated with 1 g methylhydrogenopolysiloxane. The coated TiO₂ was refluxed with 9-vinylanthracene and chloroplatinic acid in toluene for 6 h to give an immobilized UV absorber. Formulation examples are also given.

IT 2170-39-0D, reaction products with silicone polymers
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (UV absorber; manuf. of UV absorbers bound on silicone polymer-coated powders for cosmetics, coatings, and containers)

RN 2170-39-0 CAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl-6-(2-propenyl)- (9CI) (CA INDEX NAME)



L15 ANSWER 60 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06183928	A2	19940705	JP 1992-354205	19921215

AB Hair or skin cosmetics contain vinyl (co)polymers [e.g. 2-(2'-hydroxy-5'-(methacryloyloxyethyl)phenyl)benzotriazole polymer] in addn. to base materials to protect against UV damage or irritation. The preps. adhered firmly to hair.

IT 96478-13-6P 158179-69-2P 158622-11-8P
 RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses) (hair or skin cosmetics contg. vinyl (co)polymers for UV protection)

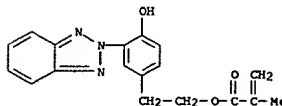
RN 96478-13-6 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[3-(2H-benzotriazol-2-yl)-4-hydroxyphenyl]ethyl ester, homopolymer (9CI) (CA INDEX NAME)

CH 1

CRN 96478-09-0

CHF C18 H17 N3 O3



RN 158179-69-2 CAPLUS

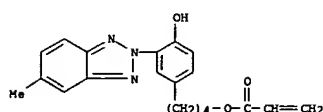
CN 2-Propenoic acid, 4-[4-hydroxy-3-(5-methyl-2H-benzotriazol-2-yl)phenyl]butyl ester, homopolymer (9CI) (CA INDEX NAME)

CH 1

CRN 158179-68-1

CHF C20 H21 N3 O3

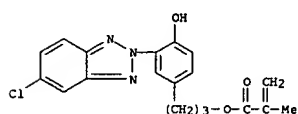
L15 ANSWER 60 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 158622-11-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 3-[3-(5-chloro-2H-benzotriazol-2-yl)-4-hydroxyphenyl]propyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 96549-97-2
 CMF C19 H18 Cl N3 O3



L15 ANSWER 61 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:638058 CAPLUS
 DOCUMENT NUMBER: 121:238058
 TITLE: Hair-setting preparations containing vinyl polymers and cationic surfactants
 INVENTOR(S): Suzuki, Naoki; Kashiwai, Kazuto; Yamamoto, Ryuichi
 PATENT ASSIGNEE(S): Itsuhosha Yushi Kogyo Kk, Japan; Lion Corp
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06183931	A2	19940705	JP 1992-354204	19921215

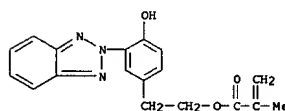
AB Hair preps., which give gloss to hair and show long-lasting hair-setting property, contain (co)polymers of vinyl monomers I [A = H, halo, lower alkyl; R1 = H, (un)satd. lower hydrocarbyl; R2 = Cl-10 alkylene, oxyalkylene, bond; R3 = H, Me; X = ester bond; O, urethane bond, S = bond, lower (NH2- or OH-contg.) alkylene] or II (R4 = O, OCH2CH2O, OCH2CHMeO; R5 = H, Me) (with other polymerizable vinyl monomers) and cationic surfactants. 2-[2'-Hydroxy-5'-(methacryloyloxyethyl)phenyl]benzotriazole-methacrylic acid copolymer 1.0, distearyldimethylammonium chloride 1.0, polyoxyethylene glycerin monostearate 1.0, propylene glycol 30.0, and H2O to 100.0% were mixed to give a hair-setting prepn.

IT 96478-13-6 158179-69-2 158179-71-6
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (hair-setting preps. contg. polyvinyls and cationic surfactants)

RN 96478-13-6 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-[3-(2H-benzotriazol-2-yl)-4-hydroxyphenyl]ethyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 96478-09-0
 CMF C18 H17 N3 O3

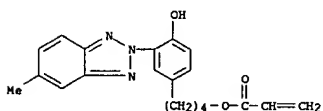


RN 158179-69-2 CAPLUS
 CN 2-Propenoic acid, 4-[4-hydroxy-3-(5-methyl-2H-benzotriazol-2-yl)phenyl]butyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

L15 ANSWER 61 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

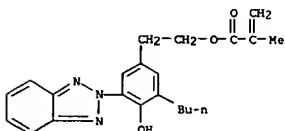
CRN 158179-68-1
 CMF C20 H21 N3 O3



RN 158179-71-6 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-[3-(2H-benzotriazol-2-yl)-5-butyl-4-hydroxyphenyl]ethyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 158179-66-9
 CMF C22 H25 N3 O3



L15 ANSWER 62 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:586816 CAPLUS
 DOCUMENT NUMBER: 121:186816
 TITLE: Stable colored fragrance gels containing tetramethylpiperidine derivatives or other photostabilizers
 INVENTOR(S): Takishita, Katsuhisa; Sagawa, Seiji; Ii, Shigenao; Yoshioka, Naomi; Arimoto, Kunio
 PATENT ASSIGNEE(S): Ishihara Chemical Co Ltd, Japan; Kyodo Chemical Co Ltd
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

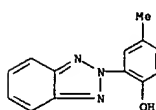
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06178800	A2	19940628	JP 1992-353979	19921214
JP 2750491	B2	19980513		

OTHER SOURCE(S): MARPAT 121:186816

AB Stable colored fragrance gels (air fresheners) are manufd. with perfumes, dyes, photohardenable gel materials (monomers), and tetramethylpiperidine derivs. or other photostabilizers. The gels are photostable.

IT 2440-22-49, 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (stable colored fragrance gels contg. tetramethylpiperidine derivs. or other photostabilizers)

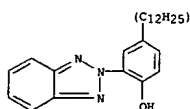
RN 2440-22-4 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4-methyl- (9CI) (CA INDEX NAME)



L15 ANSWER 63 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1978:604001 CAPLUS
 DOCUMENT NUMBER: 89:204001
 TITLE: Stabilized product containing a branched chain dodecyl
 isomeric mixture of (dodecylhydroxyphenyl)benzotriazol
 e and a heat or light sensitive material
 Strobel, Albert F.
 INVENTOR(S): GAF Corp., USA
 PATENT ASSIGNEE(S): U.S., 10 pp. Cont.-in-part of U.S. 3,983,132.
 SOURCE: CODEN: USXOAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

L15 ANSWER 63 OF 63 CAPLUS COPYRIGHT 2002 ACS (Continued)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4096242	A	19780620	US 1976-699243	19760624
US 3983132	A	19760928	US 1974-500083	19740823
CA 1077046	A1	19800506	CA 1975-232026	19750722
GB 1481775	A	19770803	GB 1975-31020	19750724
JP 51049719	A2	19760430	JP 1975-99063	19750813
JP 60014062	B4	19850411		
JP 2282476	A1	19760319	FR 1975-25855	19750821
FR 2282462	A1	19820716		19750822
CH 602676	A	19780731	CH 1975-10924	19750822
US 29596	E	19780238	US 1977-761492	19770121
PRIORITY APPLN. INFO.:			US 1974-500083	19740823
AB	Stabilizing time compds., e.g., 2-(5-dodecyl-2-hydroxyphenyl)benzotriazole (I) (C12H25 = branched chain dodecyl isomers) are added to heat- or light-sensitive materials, e.g., in cosmetics, sunscreens or olefinic or other polymers. Thus, diazotized 2-nitroaniline (8-14) was coupled to a mixt. of branched 4-dodecyl phenol isomers to give the corresponding mixt. of branched 4-dodecyl isomers of 2-(2-nitrophenyl)-4-dodecylphenol. This compd. was cyclized to give 1 isomeric mixt. This mixt. showed significant improvement in the ultimate elongation and carbonyl formation properties of a polyethylene polymer over the n-dodecyl isomer. A sunscreen cream was prepd. contg. mineral oil 6, stearic acid 7, water 70, glycerol 3, triethanolamine 2.5, Na alginate 2, I 2.5 and coconut oil 7 parts.			
IT	59388-39-59			
RU	RUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of, as heat and light stabilizer)			
RU	59388-39-59 CAPLUS			
CN	Phenol, 2-(2H-benzotriazol-2-yl)-4-tetrapropylene- (9CI) (CA INDEX NAME)			



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(FILE 'HOME' ENTERED AT 10:14:04 ON 22 NOV 2002)

FILE 'REGISTRY' ENTERED AT 10:14:11 ON 22 NOV 2002

L1 STRUCTURE UPLOADED
L2 50 S L1
L3 5010 S L1 FULL
L4 3071 S L3 AND 1/NC

FILE 'CAPLUS' ENTERED AT 10:17:16 ON 22 NOV 2002

L5 4538 S L4/USES

FILE 'REGISTRY' ENTERED AT 10:28:40 ON 22 NOV 2002

L6 STRUCTURE UPLOADED
L7 50 S L6 SAM SUB=L3
L8 4702 S L6 FULL SUB=L3
L9 2136 S L8 AND 3/NR
L10 1493 S L9 AND 1/NC

FILE 'CAPLUS' ENTERED AT 10:34:16 ON 22 NOV 2002

L11 4825 S L10
L12 3915 S L10/USES
L13 2 S L12 AND BODY CARE
L14 132 S L12 AND FILTER?
L15 63 S L10/BUU